

2004 MISSOURI FARM FACTS



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Greetings from the Director...



It is my pleasure to present the "Missouri Farm Facts", an overview of the productivity and successes of our agricultural industry and its contributions to Missouri's economy. The past year has seen the completion of the 2002 Census of Agriculture, data that describes what is happening in today's agriculture. With 106,000 farms in Missouri, the information attempts to portray the rapid changes in today's agriculture in every county. The 2004 growing season has provided us many new records in productivity. As we monitor this crop through the final harvest, we continue to be marveled by its size and quality.

This edition of "Farm Facts", available only in electronic media, outlines the most recent 2003 crop and livestock production benchmarks. Information is the basis for decision making. The best available data does not guarantee the best decisions but the lack of unbiased information most definitely leads to uninformed decisions. I hope this electronic media is acceptable to our customers and partners in agriculture. The full report of the 2002 Census of Agriculture can be found at www.usda.gov/nass by selecting 'Census of Agriculture'.

Our ultimate goal is customer service. If this format is unusable to anyone, please contact me and we will do our best to provide the data needed in an acceptable format. We can be reached at: nass-mo@nass.usda.gov, or 573-876-0950.

Our thanks go out to the thousands of Missouri farm operators that understand the value of unbiased information on agriculture and complete the various survey requests made from this office. Our staff and interviewers are dedicated to providing this valuable service to agriculture and we thank them all for their service to agriculture.

We hope this updated and most recent set of data provides a new tool in your information tool box. Any comments are appreciated. Remember, "America Counts on Agriculture."

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The NASS Enumerative Staff is employed by the National Association of State Departments of Agriculture (NASDA). This invaluable part-time staff collects data through personal interviews and telephone calls to the farmers, ranchers and agribusinesses of Missouri, enabling us to accomplish the NASS mission:

*"To provide timely, accurate, and useful statistics
in service to United States agriculture."*



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Missouri Agricultural Facts

Agriculture continues as a solid base for the economy of Missouri. The State's 106,000 farms produced and sold about \$4.97 billion worth of crops, livestock, poultry and aquaculture in 2003, up 17 percent from 2002. Livestock and poultry accounted for about 53 percent of the agricultural output, down 1 percentage point from 54 percent in 2002 while crops made up the other 47 percent of the total.

The wide range of climate, topography and availability of irrigation water in the State results in considerable variability in crops produced. Soybeans and corn are by far the dominant crops in Missouri, being particularly important in the northern half of the State and in the southeast (Bootheel). The Bootheel is the most intensively cropped area with its high percentage of tillable, level land, long growing season and plentiful irrigation water. Cotton and rice are predominant crops in some southeastern counties. Hay is the most widely produced crop, ranking third in total value in the State, although normally only about 10 percent of the hay is sold. Hay is easily the major crop in the southwest and south-central districts where tillable land is limited, while a major proportion of farms in the rest of the State also raise hay.

Missouri is one of the leading livestock states in the nation. Cow-calf production fits in with crop production on many farms across the State, but beef operations are of major importance in the central, southwest, and south-central districts. Hog production is also widespread, but especially concentrated in the north-central and west-central districts. Broilers and turkeys are dominant in the southwestern counties.

Note the importance of Missouri to the nation's agriculture as shown by the following:

- * **TEN percent of the U.S. TURKEYS are raised in Missouri.**
- * **SEVEN percent of the U.S. CATTLE OPERATIONS are in Missouri.**
- * **SIX percent of the U.S. SOYBEANS are grown in Missouri.**
- * **FIVE percent of the U.S. FARMS are in Missouri.**
- * **FOUR percent of the U.S. HOG OPERATIONS are in Missouri.**
- * **FOUR percent of the U.S. GRAIN SORGHUM is grown in Missouri.**
- * **Missouri is the SECOND leading state in BEEF COWS.**
- * **Missouri is the SECOND leading state in NUMBER OF FARMS.**
- * **Missouri is the SECOND leading state in HAY PRODUCTION (excluding alfalfa).**
- * **Missouri ranks SIXTH in RICE PRODUCTION.**
- * **Missouri ranks SEVENTH in SOYBEAN PRODUCTION.**
- * **Missouri ranks SEVENTH in WATERMELON PRODUCTION.**
- * **Missouri ranks NINTH in CORN PRODUCTION.**
- * **Missouri ranks TENTH in COTTON PRODUCTION.**
- * **Missouri ranks ELEVENTH in WINTER WHEAT PRODUCTION.**
- * **Missouri ranks TWELFTH in GRAPE PRODUCTION.**
- * **Missouri ranks FIFTEENTH in EGG PRODUCTION.**
- * **Missouri ranks TWENTY-FIRST in MILK PRODUCTION.**



Missouri's Rank Among States, 2003

	Rank	Unit	Total	Percent of U.S. Total
General				
Farm Numbers	2	<i>farms</i>	106,000	5.0
Cash Receipts ^{1/}	15	<i>billion dollars</i>	4.97	--
Crops				
Hay, excluding alfalfa	2	<i>tons</i>	6,840,000	8.5
Hay, all	3	<i>tons</i>	8,168,000	5.2
Sorghum, grain	5	<i>bushels</i>	16,170,000	3.9
Rice	6	<i>hundredweight</i>	10,484,000	5.3
Soybeans	7	<i>bushels</i>	143,260,000	5.9
Watermelon	7	<i>hundredweight</i>	1,387,000	3.6
Corn for grain	9	<i>bushels</i>	302,400,000	3.0
Cotton	10	<i>bales</i>	700,000	3.8
Cottonseed	10	<i>tons</i>	274,000	4.1
Winter wheat	11	<i>bushels</i>	53,070,000	3.1
Grapes ^{1/}	12	<i>tons</i>	3,030	0.05
Tobacco	13	<i>pounds</i>	2,828,000	0.4
Peaches (<i>utilized commercial</i>)	14	<i>pounds</i>	10,000,000	0.4
Sorghum, silage	14	<i>tons</i>	40,000	1.1
Apples (<i>utilized commercial</i>) ^{1/}	18	<i>pounds</i>	40,000,000	0.5
Oats	21	<i>bushels</i>	1,206,000	0.8
Alfalfa hay	23	<i>tons</i>	1,328,000	1.7
Potatoes, all	22	<i>hundredweight</i>	1,882,000	0.4
Corn silage	28	<i>tons</i>	840,000	0.8
Livestock & Livestock Products				
Beef cow operations	2	<i>number</i>	56,000	7.1
Cattle operations	2	<i>number</i>	65,000	6.4
Beef cows ^{2/}	2	<i>head</i>	2,125,000	6.5
Calf crop	2	<i>head</i>	2,080,000	5.5
All cows ^{2/}	3	<i>head</i>	2,250,000	5.4
Turkeys raised	3	<i>head</i>	26,500,000	9.7
Ice cream (<i>low fat production</i>)	4	<i>gallons</i>	20,070,000	5.7
Milk cow operations	6	<i>number</i>	3,100	3.6
Hogs & pigs ^{3/}	6	<i>head</i>	2,950,000	4.9
Cattle & calves ^{2/}	6	<i>head</i>	4,350,000	4.6
Hog operations	10	<i>number</i>	2,700	3.7
Total cheese production	11	<i>pounds</i>	97,400,000	1.1
Ice cream (<i>regular production</i>)	11	<i>gallons</i>	25,013,000	2.5
Egg production	15	<i>millions</i>	1,859,000,000	2.1
All chickens ^{4/}	16	<i>head</i>	8,280,000	1.8
Sheep operations	16	<i>number</i>	1,800	2.7
Milk cows ^{2/}	17	<i>head</i>	125,000	1.4
Milk production	21	<i>pounds</i>	1,886,000,000	1.1
Cattle & calves on feed ^{2/}	23	<i>head</i>	65,000	0.5
Wool production	23	<i>pounds</i>	370,000	1.0
Sheep & lambs ^{2/}	25	<i>pounds</i>	60,000	1.0
Honey production	27	<i>pounds</i>	901,000	.05

1/ Preliminary

2/ Inventory on hand January 1, 2004.

3/ Inventory on hand December 1, 2003.

4/ Inventory on hand December 1, 2003 (excludes commercial broilers).



CROPS

2003 Missouri Crop Summary

Fieldwork had begun throughout the State by the first week of April. Periodic rainfall caused some delay during the month but by the end of April over 70 percent of the ground intended for spring crops had been worked at least once and 60 percent of the corn had been planted, both slightly ahead of the 5-year average. Rainfall in both April and May averaged above normal but distribution was uneven. Several southeastern counties received from 6 to 10 inches of rain in early May, most of which occurred early in the month, while many northern counties received only minimal amounts. Corn planting was virtually completed by June 1 and soybeans were 65 percent planted, both slightly ahead of average, but cotton was over a week behind average at 93 percent planted.

Late row crop planting was completed in June. Crops made good growth as rainfall was sufficient in most areas to maintain a favorable outlook. Wheat harvesting began around mid-month and quickly spread over the State. Exceptional wheat yield averages in all areas were soon apparent. Serious moisture shortages were developing by early July in the northwest, west-central and central districts of the State and crop condition began to decline as the month progressed. July rainfall averaged 2.5 inches, well below average, as many western and northern counties received only minimal amounts. August continued hot and dry in most areas until the end of the month when heavy rains came, mostly too late for crops to recover from drought damage.

Cool weather in early September slowed the maturing process of row crops but corn was close to the normal schedule with over 80 percent mature by mid-month while soybeans were a few days behind schedule and cotton was 2 weeks late. Corn harvesting proceeded at a normal pace through the fall season, reaching 93 percent complete by November 1. Soybeans harvesting was 5 days behind average at 75 percent harvested and cotton was 67 percent harvested, a week late. Grain and bean harvesting reached completion in November but cotton harvesting continued into early December.

Soybeans: Production in 2003 totaled 146 million bushels, down 14 percent from the 2002 crop, and 22 percent below the 2001 production. Farmers in Missouri harvested 4.94 million of the 5.00 million acres planted in the State. Missouri yields averaged 29.5 bushels per acre, 4.5 bushels below the 2002 yield. Nationally, Missouri ranks fifth in harvested acres and seventh in production. The State production is valued at \$1.08 billion, 15 percent more than the 2002 crop.

Corn: Production in 2003 totaled 302 million bushels, 7 percent above a year earlier but 13 percent below the 2001 production. Yields for the State averaged 108 bushels per acre, up 3 bushels from 2002. Out of 2.9 million planted acres, corn for grain was produced from 2.8 million acres and silage was cut on 80,000 acres. The total value

of grain production was estimated at \$756 million, 9 percent above the 2002 crop value. Silage yields averaged 10.5 tons per acre, 2.5 tons less than a year earlier. Silage production totaled 840,000 tons, down 8 percent from 2002.

Winter Wheat: Production of 53.1 million bushels in 2003 was up 59 percent from the previous year. Of the 960,000 planted acres, 870,000 were harvested, 14 percent more than 2002. Missouri yields averaged a record 61 bushels per acre, up 17 bushels from 2002. Value of the crop is estimated at \$162 million, up 56 percent above last year.

Sorghum: Production totaled 16.2 million bushels, virtually the same as in 2002. Of the 215,000 acres planted, 210,000 were harvested for grain, 11 percent more than a year earlier. Average yield for the State was 77 bushels per acre, 8 bushels below the 2002 yield. Grain production was valued at \$39.4 million, 6 percent more than the 2002 crop. Sorghum silage yields averaged 8 tons per acre, down from 9 tons a year earlier.

Cotton: Production is estimated at 700,000 bales, 15 percent above the 2002 level. The State yield is estimated at a record high 862 pounds compared with 796 pounds a year ago. Missouri farmers harvested 390,000 of the 400,000 acres planted. Value of the lint is estimated at \$208 million, 61 percent above the previous crop value. Cottonseed production totaled 274,000 tons, a 26 percent increase from a year earlier, while value of cottonseed was up 65 percent to \$34.3 million.

Rice: Production in 2003 totaled 10.5 million cwt, down 5 percent from a year earlier. The record yield of 6,130 pounds is 80 pounds above the previous record of 2002. Farmers harvested 171,000 of the 175,000 planted acres. Value of the crop is estimated at \$68.1 million, 59 percent above the 2002 crop value.

Tobacco: Production in 2003 totaled 2.83 million pounds, 9 percent less than in 2002. The State yield of 2,020 pounds is down from 2,230 pounds a year ago. Farmers harvested 1,400 acres of tobacco, unchanged from the low level of the previous 3 years. The crop is valued at \$5.49 million, 8 percent below the 2002 value.

Potatoes: Commercial potato production in 2003 totaled 1.88 million cwt, 45 percent above the 2002 production. The 7,100 acres harvested produced a yield of 265 cwt, up 25 cwt from the 2002 yield. The value of the crop is estimated at \$10.8 million, 28 percent above a year ago.

Oats: Production of 1.21 million bushels amounted to a 32 percent decline from 2002. Farmers harvested 18,000 acres for grain from the 30,000 acres planted. State oat yields averaged a record 67 bushels, up 16 bushels from 2002. Value of production is estimated at \$1.99 million, 40 percent less than the 2002 crop.

Hay: Production of **all hay** in 2003 totaled a record 8.17 million tons, 4 percent above the level of the past 2 years. Missouri hay yields averaged 1.92 tons per acre, compared with 1.84 tons in 2002. **Alfalfa** hay acres totaled 450,000, up 13 percent from 2002. Alfalfa yields averaged 2.95 tons, 0.05 ton below a year ago, while production was up 11 percent at 1.33 million tons. Acres of **other** hay were down 1 percent from 2002 to 3.8 million. Yields of other hay averaged 1.80 tons, down 0.05 from the previous year, while production was down 4 percent to 6.84 million tons.



Missouri Crop Production, 2002-2003

Crop	Unit	Acres Harvested		Yield Per Acre		Production	
		2002	2003	2002	2003	2002	2003
		<i>-thousand acres-</i>				<i>-thousand units-</i>	
Corn / Grain	<i>bu.</i>	2,700	2,800	105.0	108.0	283,500	302,400
Corn / Silage	<i>ton</i>	70	80	13.0	10.5	910	840
Sorghum / Grain	<i>bu.</i>	190	210	85.0	77.0	16,150	16,170
Sorghum / Silage	<i>ton</i>	5	5	9.0	8.0	45	40
Soybeans	<i>bu.</i>	5,000	4,950	34.0	29.5	170,000	146,025
Winter Wheat	<i>bu.</i>	760	870	44.0	61.0	33,440	53,070
Oats	<i>bu.</i>	35	18	51.0	67.0	1,785	1,206
All Rice ^{1/}	<i>cwt.</i>	182	171	6,050	6,130	11,011	10,484
Long Grain ^{1/}	<i>cwt.</i>	182	170	6,050	6,130	11,011	10,421
Medium Grain ^{1/}	<i>cwt.</i>	---	1	---	6,300	---	63
Potatoes	<i>cwt.</i>	5.4	7.1	240.0	265.0	1,296	1,882
Cotton ^{2/}	<i>bale</i>	368	390	796.0	862.0	610	700
Cottonseed	<i>ton</i>	---	---	---	---	218	274
Tobacco	<i>lb.</i>	1.4	1.4	2,230	2,020	3,122	2,828
All Hay	<i>ton</i>	4,250	4,250	1.96	1.92	8,323	8,168
Alfalfa Hay	<i>ton</i>	400	450	3.00	2.95	1,200	1,328
Other Hay	<i>ton</i>	3,850	3,800	1.85	1.80	7,123	6,840
Watermelons	<i>cwt.</i>	5.1	4.7	260.0	295	1,326	1,387
Apples ^{3/}	<i>lb.</i>	---	---	---	---	36,000	40,000
Peaches ^{3/}	<i>lb.</i>	---	---	---	---	8,000	10,000
Grapes ^{3/}	<i>ton</i>	---	---	---	---	3.30	3.03

1/ Yield in pounds, production in hundredweight.

2/ Yield in pounds, production in 480 lb. bales.

3/ Utilized production.

Value of Missouri Crop Production, 2002-2003

Crop	Unit	Average Value Per Unit		Value of Production	
		2002	2003	2002	2003
		<i>-dollars-</i>		<i>-thousand dollars-</i>	
Corn	<i>bu.</i>	2.45	2.50	694,575	756,000
Grain Sorghum	<i>bu.</i>	2.30	2.44	37,161	39,390
Soybeans	<i>bu.</i>	5.54	7.52	941,800	1,098,108
Winter Wheat	<i>bu.</i>	3.03	3.05	103,626	161,864
Oats	<i>bu.</i>	1.85	1.65	3,108	1,990
All Rice	<i>cwt.</i>	3.90	6.50	42,943	68,146
Potatoes	<i>cwt.</i>	6.50	5.75	8,424	10,822
All Hay	<i>ton</i>	67.50	66.50	502,020	478,020
Alfalfa Hay	<i>ton</i>	111.00	105.00	153,180	139,440
Other Hay	<i>ton</i>	54.00	49.50	348,840	338,580
Cotton	<i>lb.</i>	.443	.620	129,710	211,296
Cottonseed	<i>ton</i>	95.00	125.00	20,710	32,875
Tobacco	<i>lb.</i>	1.900	1.94	5,932	5,486
Watermelons	<i>cwt.</i>	5.80	5.50	7,691	7,629
Apples ^{1/}	<i>lb.</i>	.178	.208	6,396	8,310
Peaches ^{1/}	<i>lb.</i>	.420	.620	3,360	6,200
Grapes ^{1/}	<i>ton</i>	613.00	610.00	2,023	1,849
Total Crops ^{2/ 3/}	---	---	---	2,509,479	2,887,985

1/ Value of utilized production.

2/ Total value of principal crops excluding minor commodities not shown above.

3/ Alfalfa Hay and Other Hay excluded from Total Crops to avoid duplication with All Hay.



Crop Records for Missouri

Acreage, Yield, Production

Crop	Date Series Began	Record	Acreage Harvested	Year ^{1/}	Yield per Acre	Year ^{1/}	Total Production	Year ^{1/}	Unit
			-thousands-		-units-		-thousands-		
Corn-Grain ^{2/}	1919	High	5,993	1925	143.0	2000	396,110	2000	bu.
		Low	1,430	1983	9.3	1934	14,145	1934	bu.
Corn-Silage	1919	High	667	1954	16.0	2001	2,822	1953	tons
		Low	32	1926	2.7	1934	198	1935	tons
Soybeans	1924	High	5,830	1979	38.0	2001	186,200	2001	bu.
		Low	44	1925	5.0	1936	225	1936	bu.
Sorghum for Grain	1929	High	1,410	1985	97.0	1992	117,030	1985	bu.
		Low	23	1951	6.4	1936	167	1936	bu.
Sorghum for Silage	1929	High	144	1957	13.0	1981	1,408	1958	tons
		Low	4	1999	4.1	1936	32	1999	tons
Winter Wheat ^{4/}	1909	High	4,565	1919	61.0	2003	115,500	1981	bu.
		Low	570	1986	8.5	1916	9,035	1942	bu.
Oats	1866	High	2,250	1943	67.0	2003	59,427	1942	bu.
		Low	14	1993	10.0	1901	686	1993	bu.
Cotton ^{5/}	1879	High	600	1949	862	2003	700	2003	bales
		Low	32	1879	127	1895	12	1895	bales
Cottonseed	1879	High	---	---	---	---	274	2003	tons
		Low	---	---	---	---	5	1895	tons
All Rice	1924	High	207	2001	6,130	2003	12,420	2001	cwt.
		Low	1	1924	1,125	1927	22	1924	cwt.
Tobacco	1866	High	29.0	1877	2,600	1970	28,420	1876	lbs.
		Low	1.4	2003	505	1887	2,340	1918	lbs.
All Hay	1909	High	4,280	2001	2.08	1998	8,323	2002	tons
		Low	2,442	1937	.51	1911	1,567	1911	tons
Alfalfa Hay	1924	High	850	1969	3.25	1998	2,493	1967	tons
		Low	120	1930	1.50	1936	216	1930	tons
All Other Hay	1924	High	3,900	2001	1.95	1998	7,123	2002	tons
		Low	1,982	1959	.53	1934	1,402	1936	tons
Apples	1934	High	---	---	---	---	116,592	1937	lbs.
		Low	---	---	---	---	17,934	1936	lbs.
Peaches	1899	High	---	---	---	---	192,000	1906	lbs.
		Low	---	---	---	---	6/	1985	lbs.
Grapes	1909	High	---	---	---	---	11.2	1931	tons
		Low	---	---	---	---	.9	1985	tons

1/ Latest years that records were achieved. In some cases these records were equaled in earlier years.

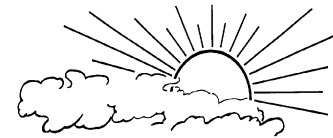
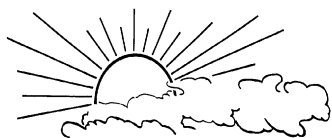
2/ From 1866 through 1919, corn for grain was included in all corn estimates.

3/ From 1919 through 1929, sorghum for grain was included in all sorghum estimates.

4/ From 1866 through 1909, winter wheat was included in all wheat estimates.

5/ Yield in pounds.

6/ No significant commercial production due to frost.



2003 Weather in Review

Farmers were getting into the field in all areas of the State by the first week of April. Periodic rainfall caused some delay during the month but by the end of April over 70 percent of the ground intended for spring crops had been worked at least once and 60 percent of the corn had been planted, both slightly ahead of the 5-year average. The wheat crop was making good progress and pastures were beginning to recover from the poor condition of the previous fall. Average precipitation for April was 4.23 inches, compared with the 30-year average of 3.80 inches.

The first half of May was wet over most of the State with flash flooding and hail occurring primarily in the northeastern, central and southern counties. Wind damage to trees and buildings was reported over a wide area. Working conditions later improved and farmers had 96 percent of the corn and 61 percent of the soybeans planted by the end of the month. Repeated heavy rains in the Bootheel sharply delayed cotton planting but farmers caught up to just over a week late, at 90 percent complete by the end of May. The wheat crop was in 65 percent good or excellent and progressing on schedule with virtually all headed and about half turning color by late May. Over the State rainfall averages varied widely during May, ranging from 3.19 inches in the northwest district to 8.66 inches in the southeast district. State rainfall for the month averaged 5.02 inches, compared with the 30-year average of 4.68 inches.

Early to mid-June weather provided sufficient rain in most areas to keep row crops and pastures in fair to good condition but delayed completion of single crop soybean planting. The wheat harvest began around mid-month and quickly spread over the State with record yields reported and reaching 70 percent complete by month's end. Progress of haying moved a few days ahead of normal with 45 percent of the second cutting of alfalfa and 81 percent of other hay cut by June 30. Some areas were becoming short of topsoil moisture by late June, mostly in the west-central district. June rainfall averaged 4.96 inches, well above the normal of 4.29 inches.

Farmers remained optimistic on the outlook for row crops well into July but some serious moisture shortages began developing early in the month and got worse as warm, dry weather prevailed. Temperatures of 100 degrees for a few days in many western counties during the third week of the month caused severe stress to crops and pastures, with other areas also suffering to a lesser extent from the general moisture shortage. Development of corn reached 51 percent in the dough stage and 15 percent dented by the end of July, similar to normal, while soybeans were 58 percent blooming and 26 percent podding, several days behind average. July rainfall ranged from around 1.25 inches in the northwest and west-central districts, to 5.05 inches in the southeast. The State averaged 2.49 inches, well below the 3.76 inch 30-year average.

Dry weather prevailed through most of August along with several periods of heat until the last weekend of the month when cool temperatures and heavy rains occurred. Condition of both corn and soybeans fell during the month to being over 50 percent rated poor or very poor, while pasture condition fell to 75 percent poor or very poor. The worst drought damage was in some of the same areas that were hurt a year earlier, in the northwest, west-central and

central districts. Hay feeding became common as pasture feed became insufficient to support normal grazing in many counties. Dry weather and heat speeded maturity of soybeans as 90 percent were setting pods and 18 percent were turning color by August 31. Corn was 52 percent mature and 9 percent was harvested, similar to normal. Cotton had 11 percent with bolls opening, 10 days behind average. The heavy rain of late August was too late to help crops show any significant recovery in the drought areas. Rainfall for the month averaged 5.98 inches, compared with the long-term normal of 3.73 inches.

The wet, cool weather of early September delayed some early corn harvesting but was of some help to late soybeans and of considerable benefit to pastures. More favorable harvesting weather during the last half of the month permitted the corn harvest to reach 59 percent complete, while 7 percent of the soybeans, 38 percent of the sorghum and 55 percent of the rice were harvested. Pasture growth showed steady improvement through September but pastures in the northwest district, which had suffered severe drought earlier and received much less rain during September, were still rated as 77 percent poor or very poor condition. Rainfall during September averaged 5.32 inches, well above the normal of 4.22 inches, and varying from 2.97 inches in the northwest district to 5.32 inches in the southeast.

The corn harvest continued at a normal pace during October, reaching 92 percent complete by the end of the month. Harvesting of other row crops progressed well behind normal due to later maturing as well as periodic damp, cool weather through the month. By the end of October about 71 percent of the soybeans, 82 percent of the sorghum, 65 percent of the cotton and virtually all of the rice were harvested. Farmers had also seeded 75 percent of the intended wheat acreage for 2004, similar to the normal pace, with adequate moisture in most areas helping the crop get off to a good start. October rainfall averaged 2.05 inches, well below the 30-year average of 3.37 inches.

Farmers had generally favorable weather for late row crop harvesting during the first 3 weeks of November and completed virtually all grain and soybean harvesting before the end of the month. The cotton harvest proceeded more slowly and extended into December due to some fields being exceptionally late maturing and the repeated heavy rains in the Bootheel. November rainfall averaged 3.95 inches, up sharply from the 3.16 inch average. December averaged 3.29 inches, also well above the 2.67 inch 30-year average.

Precipitation for Missouri in 2003 averaged 40.68 inches, barely above the 40.43 inch average of 2002 and virtually the same as the 30-year 1971-2000 average of 40.67. Nine counties received less than 30 inches of precipitation, compared with 20 counties in that category in 2002. Of the 9 lowest precipitation counties in 2003, all but one of them were in the northwest district. Nodaway County received the least amount at 25.42 inches, followed by Harrison, Gentry and Atchison, all under 26 inches. Butler County received by far the highest precipitation at 69.51 inches, followed by New Madrid at 60.46 inches, Pemiscot 58.20 inches and Wayne 56.61 inches.



Climatological Data
Precipitation, Snowfall and Average Temperatures,
Selected Weather Stations, by Months, Missouri 2003

Precipitation

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-inches of water-</i>												
Maryville	.69	M	1.09	4.19	3.79	3.64	2.41	1.39	2.07	1.01	3.16	M
Brookfield	.39	1.36	1.17	5.80	3.90	3.29	1.81	4.09	7.08	1.24	2.27	4.28
Kirksville	.24	.77	M	4.20	5.87	4.08	3.94	3.50	6.30	1.58	2.14	3.42
Hannibal	1.19	1.79	2.97	3.43	4.11	3.91	3.70	.59	8.66	2.16	2.90	4.14
Kansas City	.18	M	1.72	4.30	2.23	6.76	.35	10.28	2.63	1.40	1.90	3.13
Columbia	1.12	1.80	2.78	4.56	4.90	6.32	1.11	1.64	10.10	2.16	2.39	4.02
St. Louis	.96	2.00	2.80	4.29	3.97	12.35	2.51	2.54	4.15	2.81	5.34	2.34
Clinton	1.33	1.66	2.97	3.52	5.08	2.81	1.95	5.03	5.16	2.22	2.75	5.26
Rolla	.65	2.85	2.14	3.20	6.28	7.19	3.91	1.56	4.95	2.73	5.86	2.62
Springfield	.43	3.73	2.85	2.63	4.90	4.80	2.00	6.37	3.21	1.53	5.98	4.18
Poplar Bluff	1.32	M	1.53	2.80	5.60	M	4.83	6.93	5.45	1.79	5.23	M

Snowfall

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-inches of snow-</i>												
Maryville	M	2.9	2.0	.0	.0	.0	.0	.0	.0	.0	.0	M
Brookfield	2.3	8.0	2.5	.0	.0	.0	.0	.0	.0	.0	T	7.0
Kirksville	9.1	11.7	M	.0	.0	.0	.0	.0	.0	.0	T	4.5
Hannibal	7.6	4.6	M	.1	.0	.0	.0	.0	.0	.0	M	M
Kansas City	M	M	M	.0	.0	.0	.0	.0	.0	.0	.0	5.8
Columbia	10.2	5.3	.4	T	.0	.0	.0	.0	.0	.0	T	10.2
St. Louis	7.4	12.7	.1	T	.0	.0	.0	.0	.0	.0	T	3.3
Clinton	15.3	M	.3	.0	.0	.0	.0	.0	.0	.0	.0	9.0
Rolla	5.4	12.5	.2	.1	.0	.0	.0	.0	.0	.0	T	5.1
Springfield	3.9	M	.6	T	.0	.0	.0	.0	.0	.0	T	11.4
Poplar Bluff	M	M	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

Average Temperature

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-degrees Fahrenheit-</i>												
Maryville	23.2	25.9	40.0	54.0	61.3	68.7	77.2	78.0	63.3	55.4	38.8	32.8
Brookfield	24.2	26.8	40.6	53.9	61.8	68.8	77.4	79.4	63.9	55.9	41.3	33.8
Kirksville	21.7	24.4	38.6	52.2	60.1	68.0	75.8	77.5	62.3	54.8	40.5	31.9
Hannibal	23.0	26.4	41.2	54.3	62.2	69.1	76.3	77.1	64.0	55.4	43.3	33.2
Kansas City	29.4	M	45.3	58.3	65.3	72.7	83.1	82.4	66.6	59.4	M	36.8
Columbia	27.4	30.9	45.9	57.7	64.1	70.8	79.4	80.5	66.0	58.6	47.1	37.1
St. Louis	28.1	31.4	47.5	58.1	65.1	71.3	79.9	80.8	67.7	60.0	49.3	38.7
Clinton	26.1	29.8	44.2	56.6	63.2	69.5	79.9	79.6	65.2	56.3	45.3	35.2
Rolla	27.5	31.0	44.9	57.3	64.2	69.2	78.2	80.3	66.6	58.5	48.2	36.2
Springfield	28.8	33.7	45.9	57.6	64.2	69.8	79.2	80.0	66.1	58.5	48.3	37.4
Poplar Bluff	30.9	34.4	48.2	59.2	67.3	71.8	79.8	79.8	68.4	59.7	51.1	38.8

T-Trace; M-Missing Data;

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service.



**Usual Planting and Harvesting Dates,
By Crop and Principal Producing Areas, Missouri**

Crop	Usual Planting Dates	Usual Harvesting Dates			Principal Producing Areas and Counties
		Begin	Most Active	End	
CORN:					
Grain	Apr 5-Jun 10	Sep 1	Sep 20-Oct 30	Dec 1	Statewide
Silage	Apr 10-Jun 10	Aug 15	Aug 25-Sep 15	Sep 25	Statewide
COTTON:	Apr 25-Jun 1	Sep 20	Oct 5-Oct 30	Nov 20	Southeast
HAY:					
Alfalfa		May 15		Sep 15	Statewide
Other		May 20		Sep 10	Statewide
OATS:	Mar 1-Apr 30	Jun 20	Jul 1-Jul 25	Aug 1	Statewide
POTATOES:	Mar 1-Apr 5	Jun 15	Jun 20-Jul 15	Aug 25	Mississippi, Scott, Atchison
RICE:	Apr 15-Jun 10	Sep 10	Sep 25-Oct 25	Nov 1	Butler, Stoddard
SORGHUM:					
Grain	Apr 25-Jul 1	Sep 10	Sep 25-Oct 30	Nov 25	Statewide
Silage	May 1-Jul 1	Aug 15	Aug 25-Sep 15	Oct 10	Statewide
SOYBEANS:	May 5-Jul 10	Sep 25	Oct 10-Oct 30	Nov 25	Statewide
TOBACCO:	May 10-Jun 15	Aug 10	Aug 25-Sep 15	Sep 25	Platte, Buchanan
WHEAT:	Sep 20-Nov 20	Jun 15	Jun 20-Jul 10	Jul 20	Statewide

Growing Degree Days^{1/}, 1999-2003

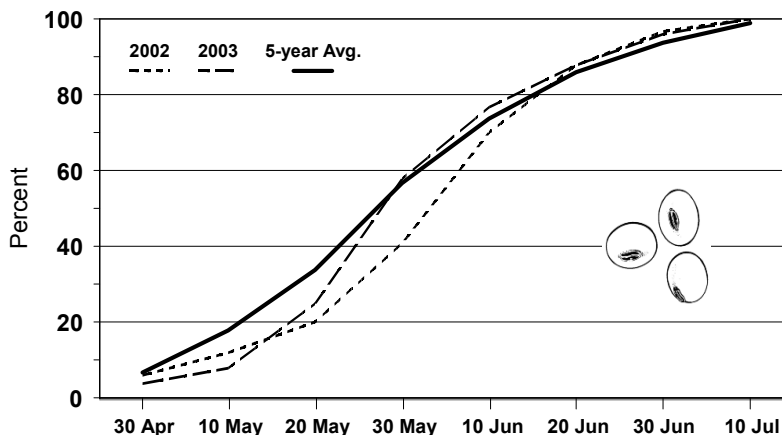
Weather Station	1999	2000	2001	2002	2003	2003 Departure From 30 Year Average
Columbia	3,909	3,966	3,939	3,785	3,614	- 46
Cook Station	3,735	3,935	3,799	3,694	3,483	-341
Corning	3,583	4,101	3,911	3,939	3,751	+520
Delta	4,145	4,095	4,175	4,131	3,857	-330
Lamar	4,056	4,294	4,264	4,091	4,034	+101
Linneus	3,529	3,652	3,630	3,599	3,514	+191
Novelty	3,580	3,647	3,631	3,567	3,328	- 86
Portageville	4,719	4,668	4,676	4,661	4,380	- 12
St. Joseph	3,625	4,042	3,753	3,762	3,673	+270

^{1/} Growing degree days are calculated by subtracting a 50 degree (Fahrenheit) base temperature from the average daily temperature. Thus, if the average temperature for the day is 75 degrees, then 25 growing degree days will have been accumulated. The information for the Weather Data table is provided by the University of Missouri Commercial Agriculture/Extension automated weather station network.

Accumulated from April 1 to November 1.



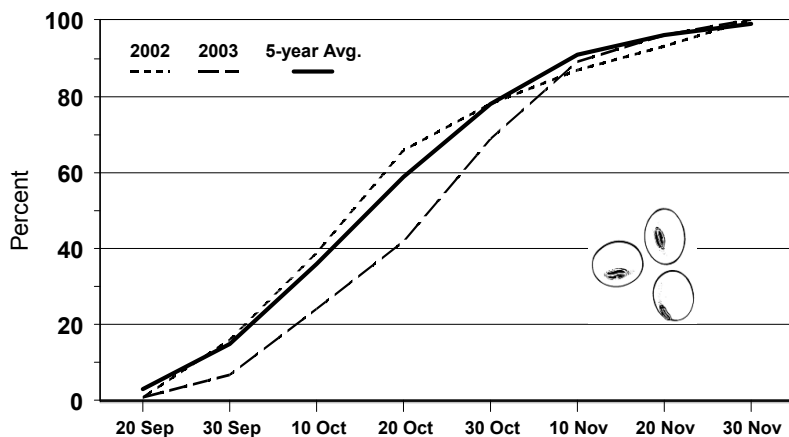
Soybeans Planted
By Specified Dates and 5-Year Average, Missouri 2002-2003



Soybeans Planted
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	30 Apr	10 May	20 May	30 May	10 Jun	20 Jun	30 Jun	10 Jul
	-percent-							
1999	1	4	15	46	72	85	90	96
2000	19	45	70	81	89	95	97	100
2001	7	20	41	57	61	76	90	99
2002	6	12	20	41	70	88	97	100
2003	4	8	25	58	77	88	96	100
5-Year Average	7	18	34	57	74	86	94	99

Soybeans Harvested
By Specified Dates and 5-Year Average, Missouri 2002-2003



Soybeans Harvested
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	20 Sep	30 Sep	10 Oct	20 Oct	30 Oct	10 Nov	20 Nov	30 Nov
	-percent-							
1999	4	15	36	65	87	97	100	100
2000	10	28	55	77	89	94	97	100
2001	0	8	24	44	68	90	97	99
2002	1	16	39	66	78	87	93	100
2003	1	7	24	42	69	89	96	100
5-Year Average	3	15	36	59	78	91	96	100



Soybeans

Distribution by Row Width, Missouri 1999-2003 ^{1/}

Year	Number of Samples	Row Width (inches)					Average Row Width
		10.0 & Less ^{2/}	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
		-percent of samples-					-inches-
1999	126	40.9	34.1	6.7	14.3	4.0	15.6
2000	121	33.5	40.8	8.3	15.7	1.7	15.9
2001	126	31.3	43.7	2.0	19.0	4.0	16.5
2002	130	24.6	48.1	6.9	16.5	3.9	17.1
2003	126	24.3	50.2	5.6	17.1	2.8	16.9

1/ Based on Soybean Objective Yield Survey. Data reflects trends in cropping practices, but are not official National Agricultural Statistics Board estimates.

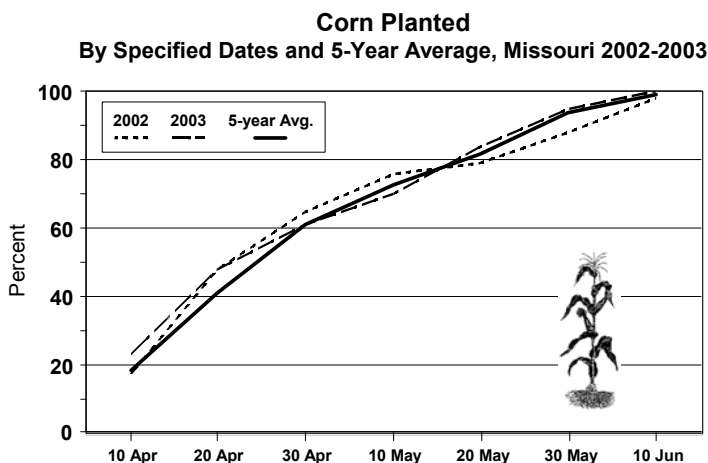
2/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.

Soybeans

Pods with Beans per 18 Square Feet, 1999-2003 ^{1/}

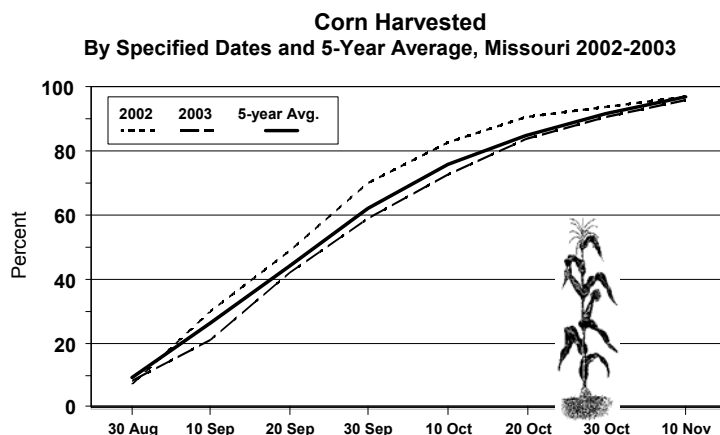
Year	September	November	Final
<i>-number of pods-</i>			
1999	1,242	1,508	1,525
2000	1,974	1,782	1,793
2001	1,424	1,874	1,921
2002	1,427	1,681	1,705
2003	1,144	1,547	1,523

1/ Based on actual field counts in plots selected for soybean objective yield samples.



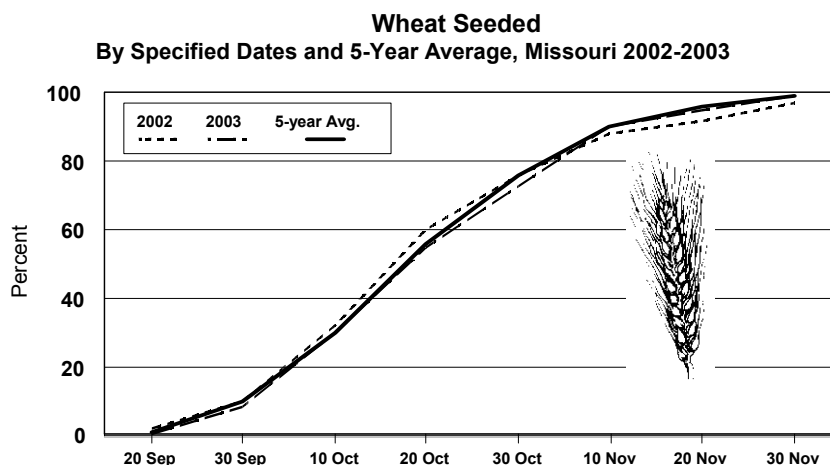
Corn Planted
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	10 April	20 April	30 April	10 May	20 May	30 May	10 June
1999	11	21	30	-percent- 41	59	89	99
2000	30	67	91	97	100	100	100
2001	7	21	59	83	91	96	100
2002	17	48	65	76	79	88	98
2003	23	48	61	70	84	95	100
5-Year Average	18	41	61	73	82	94	99



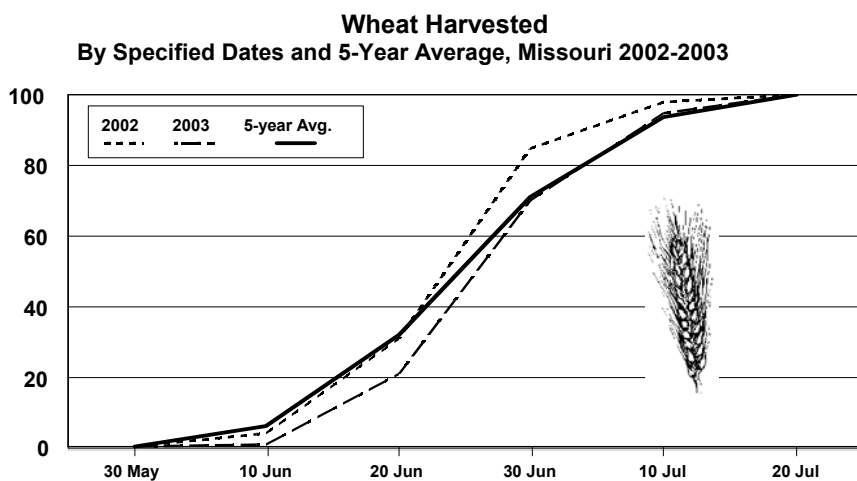
Corn Harvested
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	30 Aug	10 Sep	20 Sep	30 Sep	10 Oct	20 Oct	30 Oct	10 Nov
1999	11	29	41	-percent- 53	69	79	90	97
2000	9	28	56	76	87	93	97	100
2001	8	21	32	49	67	78	87	94
2002	7	30	49	70	83	91	94	97
2003	8	21	42	59	73	84	91	96
5-Year Average	9	26	44	62	76	85	92	97



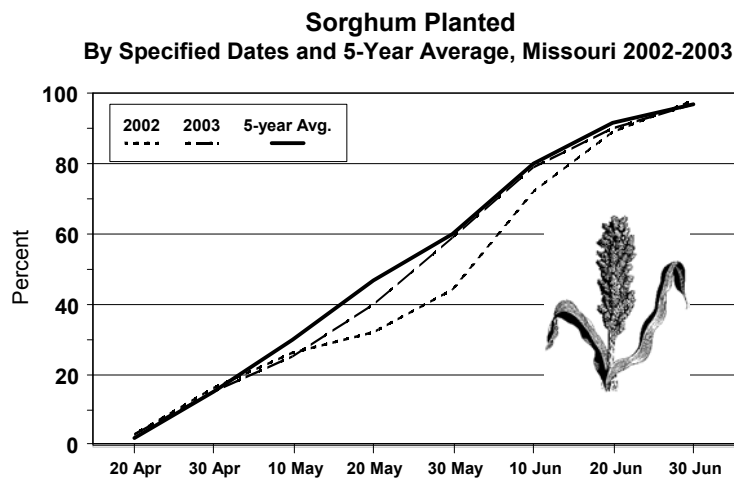
Wheat Seeded
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	20 Sep	30 Sep	10 Oct	20 Oct	30 Oct	10 Nov	20 Nov	30 Nov
	-percent-							
1999	2	10	26	55	79	93	99	100
2000	1	8	32	60	81	92	96	99
2001	0	12	28	49	69	89	95	99
2002	2	10	32	60	76	88	92	97
2003	0	8	30	55	73	90	95	99
5-Year Average	1	10	30	56	76	90	95	99



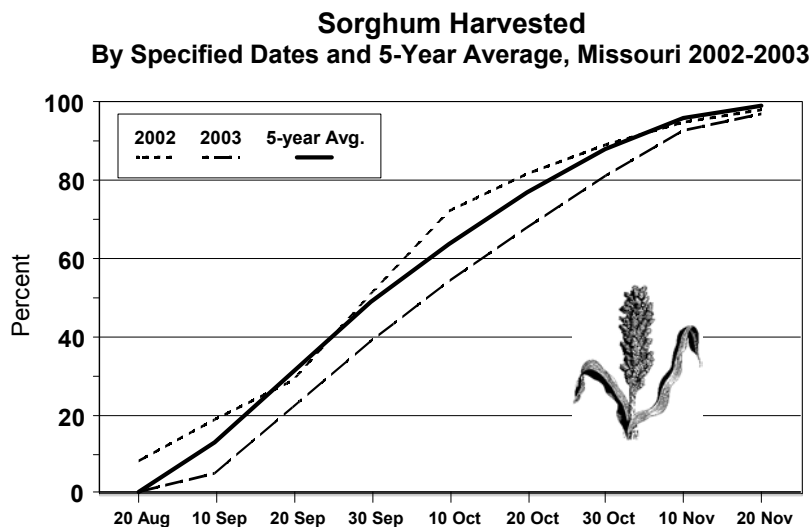
Wheat Harvested
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	30 May	10 Jun	20 Jun	30 Jun	10 Jul	20 Jul
	-percent-					
1999	0	4	23	45	87	99
2000	2	20	46	71	94	100
2001	0	3	42	81	98	100
2002	0	4	31	85	98	100
2003	0	1	21	70	95	100
5-Year Average	0	6	32	71	94	100



Sorghum Planted
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	20 Apr	30 Apr	10 May	20 May	30 May	10 Jun	20 Jun	30 Jun
1999	0	0	7	20	35	75	91	97
2000	5	24	47	77	89	98	100	100
2001	0	19	44	65	75	77	88	96
2002	3	16	26	32	44	72	89	98
2003	3	15	25	40	59	79	90	97
5-Year Average	2	15	30	47	60	80	92	97



Sorghum Harvested
By Specified Dates and 5-Year Average, Missouri 1999-2003

Year	20 Aug	10 Sep	20 Sep	30 Sep	10 Oct	20 Oct	30 Oct	10 Nov	20 Nov
1999	0	12	31	47	58	74	88	97	100
2000	0	12	38	60	77	89	95	100	100
2001	7	17	33	51	62	71	86	95	100
2002	8	19	29	51	72	82	89	95	98
2003	0	5	22	39	54	68	81	93	97
5-Year Average	0	13	31	49	64	77	88	96	99



Field Crops Corn

Acreage, Yield, Production and Value, Missouri, 1999-2003

Crop Year	All Corn			Harvested for Grain		
	Planted	Harvested	Abandoned ^{1/}	Acres	Yield	Production
	<i>-thous. acres-</i>			<i>-thousands-</i>	<i>-bushels-</i>	<i>-thous. bushels-</i>
1999	2,650	2,620	30	2,550	97.0	247,350
2000	2,850	2,830	20	2,770	143.0	396,110
2001	2,700	2,670	30	2,600	133.0	345,800
2002	2,800	2,770	30	2,700	105.0	283,500
2003	2,900	2,880	20	2,800	108.0	302,400
5-year avg.	2,780	2,754	26	2,684	117.4	315,032

Crop Year	Value of Corn for Grain ^{2/}		Harvested for Silage		
	Per Bushel ^{3/}	Total	Acres	Yield	Production
	<i>-dollars-</i>	<i>-thous. dol.-</i>	<i>-thousands-</i>	<i>-tons-</i>	<i>-thous. tons-</i>
1999	1.96	484,806	70	9.5	665
2000	1.78	705,076	60	15.0	900
2001	1.96	677,768	70	16.0	1,120
2002	2.45	694,575	70	13.0	910
2003	2.50	756,000	80	10.5	840
5 year avg.	---	---	70	12.7	887

Sorghum

Acreage, Yield, Production and Value, Missouri, 1999-2003

Crop Year	All Sorghum			Harvested for Grain		
	Planted	Harvested	Abandoned ^{1/}	Acres	Yield	Production
	<i>-thous. acres-</i>			<i>-thousands-</i>	<i>-bushels-</i>	<i>-thous. bushels-</i>
1999	320	314	6	310	71.0	22,010
2000	280	276	4	270	92.0	24,840
2001	230	226	4	220	94.0	20,680
2002	200	195	5	190	85.0	16,150
2003	215	215	0	210	77.0	16,170
5 year avg.	249	245	3.8	240	83.2	19,970

Crop Year	Value of Sorghum for Grain ^{2/}		Harvested for Silage		
	Per Bushel ^{3/}	Total	Acres	Yield	Production
	<i>-dollars-</i>	<i>-thous. dol.-</i>	<i>-thousands-</i>	<i>-tons-</i>	<i>-thous. tons-</i>
1999	1.67	36,757	4	8.0	32
2000	1.76	43,718	6	7.0	42
2001	1.94	40,119	6	8.0	48
2002	2.30	37,145	5	9.0	45
2003	2.44	39,390	5	8.0	40
5 year avg.	---	---	5.2	8.0	41.4

1/ Includes all acreage not harvested for silage or grain.

2/ Value is based on marketing year average price (see page 82).

3/ Crop prices for 2003 are preliminary since the marketing year is not complete.



Field Crops

Acreage, Yield, Production and Value, Missouri, 1999-2003

Crop Year	Acres		Unit	Yield	Production	Value ^{1/}	
	Planted	Harvested				Per Unit ^{2/}	Total
-thousands-					-thous. units-	-dollars-	-thous.
Winter Wheat							
1999	980	920	bu.	48.0	44,160	2.10	92,736
2000	1,050	950	bu.	52.0	49,400	2.28	112,632
2001	900	760	bu.	54.0	41,040	2.42	99,317
2002	900	760	bu.	44.0	33,440	3.03	101,323
2003	960	870	bu.	61.0	53,070	3.05	161,864
5 year avg.	958	852	bu.	51.9	44,222	---	---
All Soybeans							
1999	5,400	5,350	bu.	27.5	147,125	4.67	687,074
2000	5,150	5,000	bu.	35.0	175,000	4.55	796,250
2001	4,950	4,900	bu.	38.0	186,200	4.32	804,384
2002	5,050	5,000	bu.	34.0	170,000	5.54	941,800
2003	5,000	4,950	bu.	29.5	146,025	7.52	1,098,108
5 year avg.	5,110	5,040	bu.	32.7	164,870	---	---
Soybeans, single-crop							
1999	4,910	4,880	bu.	28.0	136,873	---	---
2000	4,600	4,520	bu.	36.3	163,889	---	---
2001	4,430	4,386	bu.	39.0	171,111	---	---
2002	4,506	4,465	bu.	34.8	155,185	---	---
2003	4,458	4,422	bu.	29.7	131,312	---	---
5 year avg.	4,581	4,535	bu.	33.4	151,674	---	---
Soybeans, double-crop							
1999	490	470	bu.	21.8	10,252	---	---
2000	550	480	bu.	23.1	11,111	---	---
2001	520	514	bu.	29.4	15,089	---	---
2002	544	535	bu.	27.7	14,815	---	---
2003	542	528	bu.	27.4	14,713	---	---
5 year avg.	529	505	bu.	26.1	13,196	---	---
Cotton ^{3/}							
1999	380	377	lb.	601	472	0.467	105,804
2000	400	388	lb.	668	540	0.564	146,189
2001	405	400	lb.	834	695	0.300	100,080
2002	380	368	lb.	796	610	0.443	129,710
2003	400	390	lb.	862	700	0.620	208,320
5 year avg.	393	385	lb.	752	603	---	---
Cottonseed							
1999	—	—	ton	—	175	91.00	15,925
2000	—	—	ton	—	205	90.00	18,450
2001	—	—	ton	—	268	85.00	22,780
2002	---	---	ton	—	218	95.00	20,710
2003	---	---	ton	---	274	125.00	34,250
5 year avg.	---	---	ton	—	228	---	---

^{1/} Value is based on market year average price (see page 82).

^{2/} Crop prices for 2003 are preliminary since the marketing year is not complete.

^{3/} Cotton production in 480 pound bales.



Field Crops

Acreage, Yield, Production and Value, Missouri, 1999-2003

Crop Year	Acres		Unit	Yield	Production	Value ^{1/}	
	Planted	Harvested				Per Unit ^{2/}	Total
	-thousands-				-thous. units-	-dollars-	-thous. dollars-
Oats							
1999	35	22	bu.	46.0	1,012	1.50	1,518
2000	50	30	bu.	53.0	1,590	1.50	2,385
2001	40	20	bu.	50.0	1,000	1.60	1,600
2002	65	35	bu.	51.0	1,785	1.85	3,302
2003	30	18	bu.	67.0	1,206	1.65	1,990
5 year avg.	44	25	bu.	52.8	1,319	---	---
All Rice ^{3/}							
1999	186	184	cwt.	5,400	9,936	5.60	55,642
2000	170	169	cwt.	5,700	9,633	5.40	52,018
2001	211	207	cwt.	6,000	12,420	3.70	45,954
2002	190	182	cwt.	6,050	11,011	3.90	42,943
2003	176	171	cwt.	6,130	10,484	6.50	68,146
5 year avg.	187	183	cwt.	5,858	10,697	---	---
Tobacco							
1999	---	2.3	lb.	2,015	4,635	1.879	8,709
2000	---	1.4	lb.	2,120	2,968	1.854	5,503
2001	---	1.4	lb.	2,200	3,080	1.895	5,838
2002	---	1.4	lb.	2,230	3,122	1.900	5,932
2003	---	1.4	lb.	2,020	2,828	1.940	5,486
5 year avg.	---	1.6	lb.	2,079	3,327	---	---
Potatoes							
1999	8.0	6.2	cwt.	295	1,829	5.40	9,877
2000	6.2	6.1	cwt.	275	1,678	5.55	9,313
2001	6.2	5.6	cwt.	340	1,904	5.10	9,710
2002	7.0	5.4	cwt.	240	1,296	6.50	8,424
2003	8.0	7.1	cwt.	265	1,882	5.75	10,882
5 year avg.	7.1	6.1	cwt.	282	1,718	---	---
All Hay ^{4/}							
1999	---	3,990	ton	1.95	7,791	72.00	547,257
2000	---	4,090	ton	1.83	7,499	70.50	523,215
2001	---	4,280	ton	1.91	8,179	75.00	562,763
2002	---	4,250	ton	1.96	8,323	67.50	517,842
2003	---	4,250	ton	1.92	8,168	66.50	478,020
5 year avg.	---	4,172	ton	1.92	7,992	---	---
Alfalfa Hay							
1999	---	390	ton	2.90	1,131	107.00	121,017
2000	---	390	ton	3.10	1,209	105.00	126,945
2001	---	380	ton	3.05	1,159	107.00	124,013
2002	---	400	ton	3.00	1,200	111.00	133,200
2003	---	450	ton	2.95	1,328	105.00	139,440
5 year avg.	---	402	ton	3.00	1,205	---	---
All Other Hay							
1999	---	3,600	ton	1.85	6,660	64.00	426,240
2000	---	3,700	ton	1.70	6,290	63.00	396,270
2001	---	3,900	ton	1.80	7,020	62.50	438,750
2002	---	3,850	ton	1.85	7,123	54.00	384,642
2003	---	3,800	ton	1.80	6,840	49.50	338,580
5 year avg.	---	3,770	ton	1.80	6,787	---	---

1/ Value is based on market year average price (see page 82).

2/ Crop prices for 2003 are preliminary since the marketing year is not complete.

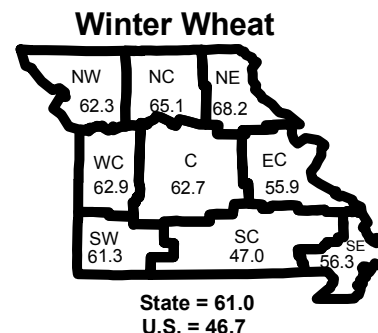
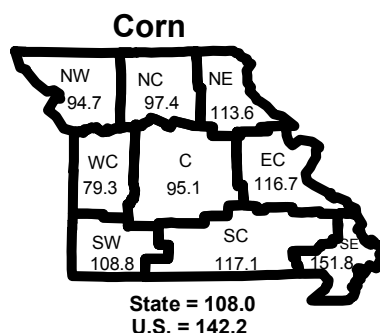
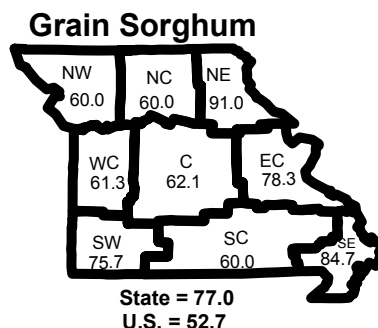
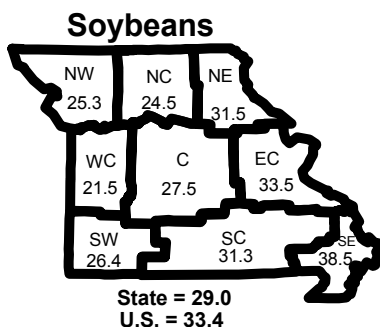
3/ Rice yield is in pounds; production is in cwt.

4/ Price per unit is based on hay actually sold. Total value is based on added total of alfalfa and all other hay values.



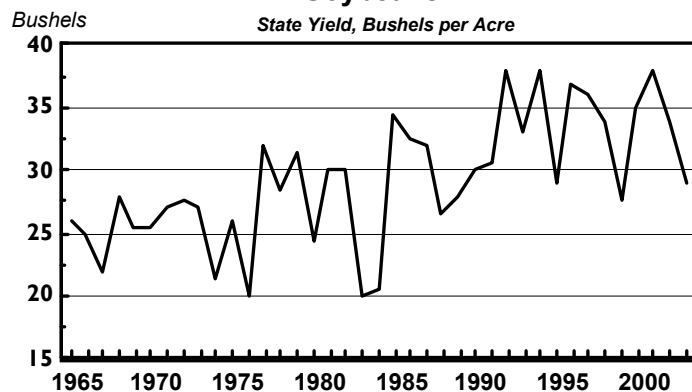
2003 Missouri Crop Yields By District

-bushels per acre-

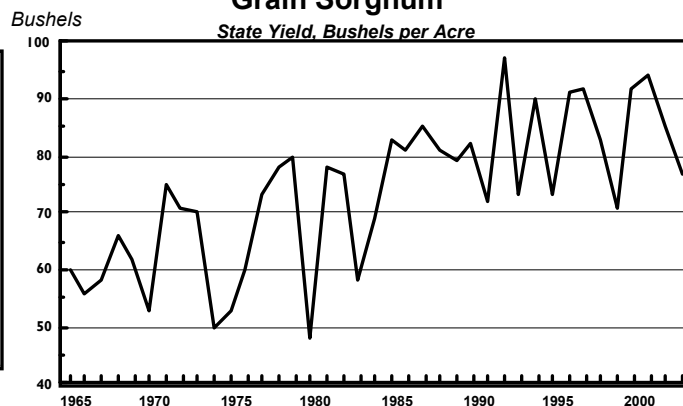


Crop Yields, Missouri, 1965-2003

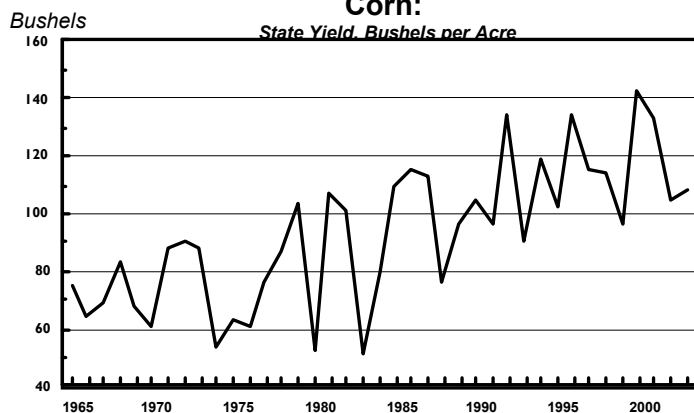
Soybeans:



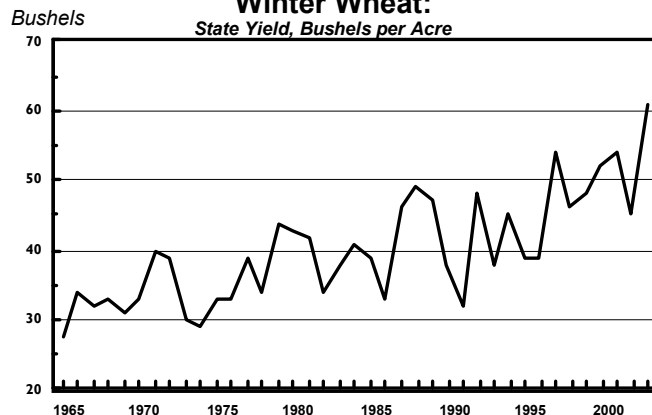
Grain Sorghum



Corn:



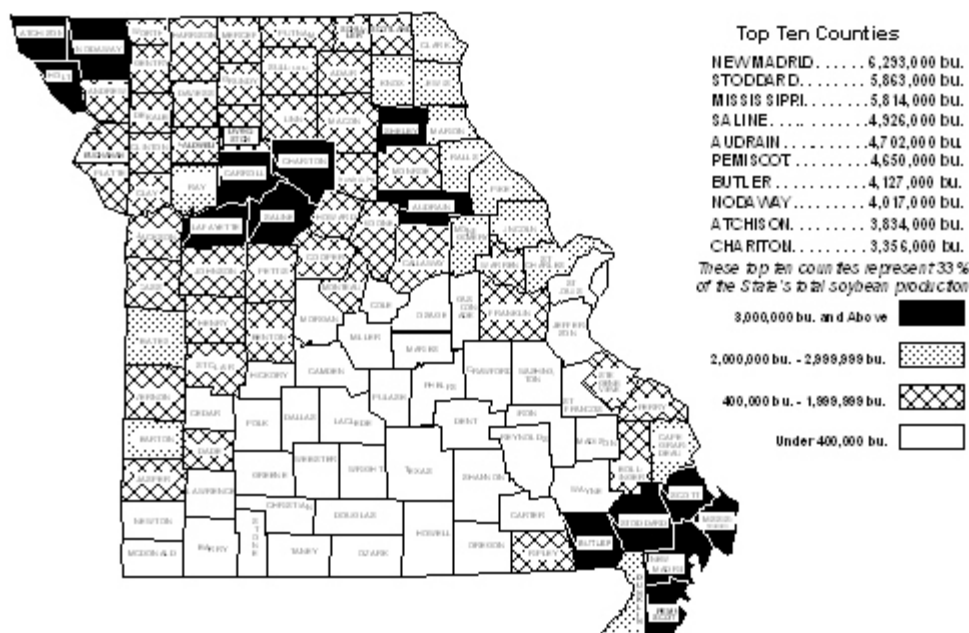
Winter Wheat:





2003 Soybean Production

By County



Biotechnology Soybeans as a Percent of all Soybeans Planted, Missouri, 2000-2004^{1/}

Biotechnology Varieties	2000	2001	2002	2003	2004
<i>-percent-</i>					
Herbicide Resistant	62	69	72	83	87
All Biotech Varieties	62	69	72	83	87

1/ Series began in 2000.

Soybeans

Single and Double Crop, Acreage, Yield and Production, By District, Missouri, 2002-2003^{1/}

District	Single-Crop						Double-Crop					
	Acres Harvested		Yield		Production		Acres Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003
	<i>-thousands-</i>		<i>-bushels-</i>		<i>-thousand bushels-</i>		<i>-thousand-</i>		<i>-bushels-</i>		<i>-thousand bushels-</i>	
NW	964.2	962.5	31.7	26.0	30,589	24,991	7.2	15.1	17.0	10.4	124	157
NC	686.7	682.1	37.8	25.4	25,930	17,294	13.7	23.0	19.8	12.0	271	275
NE	764.9	772.3	39.1	32.6	29,937	25,210	22.8	33.3	24.0	18.3	547	610
WC	468.8	457.8	27.5	22.6	12,876	10,354	72.5	78.4	18.1	17.4	1,312	1,362
C	459.3	468.1	37.2	29.1	17,066	13,642	47.8	54.9	27.0	18.3	1,291	1,005
EC	319.6	306.9	36.1	34.6	11,534	10,607	17.3	22.5	29.2	27.7	505	624
SW	85.1	89.6	22.6	28.6	1,925	2,566	73.6	66.4	21.0	24.7	1,546	1,638
SC	38.0	32.2	31.8	32.0	1,209	1,029	1.9	2.7	25.3	31.1	48	84
SE	678.7	650.5	35.5	39.4	24,119	25,619	277.9	231.7	33.0	38.7	9,171	8,958
State	4,465.3	4,422.0	34.8	29.7	155,185	131,312	534.7	528.0	27.7	27.9	14,815	14,713

1/ See inside front cover for district boundaries.



Soybeans

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	-acres-		-acres-		-bu-		-bu-	
Andrew	69,000	67,900	68,800	67,300	31.2	28.8	2,144,000	1,936,000
Atchison	117,400	121,000	117,000	120,000	30.1	32.0	3,525,000	3,834,000
Buchanan	59,400	59,500	59,000	59,000	32.1	27.8	1,896,000	1,638,000
Caldwell	42,700	44,300	42,200	44,000	27.5	15.8	1,161,000	693,000
Clay	20,200	20,400	20,000	20,200	31.6	22.9	632,000	463,000
Clinton	43,700	43,800	43,100	43,400	30.8	20.3	1,329,000	881,000
Daviess	71,400	75,000	71,200	74,200	28.5	17.4	2,026,000	1,292,000
De Kalb	44,100	42,200	43,700	41,800	27.1	17.8	1,184,000	744,000
Gentry	50,300	49,400	49,700	49,000	28.7	20.0	1,427,000	978,000
Harrison	60,700	62,800	60,600	62,400	34.5	20.4	2,093,000	1,270,000
Holt	105,700	103,400	105,400	102,500	34.7	32.3	3,657,000	3,306,000
Nodaway	130,100	133,900	129,400	132,600	33.3	30.3	4,304,000	4,017,000
Platte	61,700	58,700	61,500	58,200	31.9	25.5	1,960,000	1,483,000
Ray	79,100	82,800	78,900	82,100	34.1	25.8	2,690,000	2,115,000
Worth	21,000	21,000	20,900	20,900	32.8	23.8	685,000	498,000
Northwest	976,500	986,100	971,400	977,600	31.6	25.7	30,713,000	25,148,000
Adair	37,100	38,500	36,900	38,200	38.6	31.8	1,424,000	1,214,000
Carroll	126,500	126,500	124,100	124,400	38.7	26.6	4,803,000	3,314,000
Chariton	122,300	121,600	121,300	120,200	38.4	27.9	4,658,000	3,356,000
Grundy	63,600	61,100	63,100	60,500	36.8	20.8	2,322,000	1,256,000
Linn	51,800	52,800	51,200	52,300	37.1	17.8	1,897,000	932,000
Livingston	109,700	107,600	109,300	106,700	35.7	18.6	3,900,000	1,983,000
Macon	72,600	72,700	72,300	72,100	37.6	27.2	2,718,000	1,959,000
Mercer	22,900	27,600	22,700	27,400	34.1	25.7	773,000	703,000
Putnam	21,400	19,700	21,300	19,500	38.8	30.8	826,000	601,000
Randolph	36,800	40,100	36,400	39,900	39.2	27.1	1,427,000	1,083,000
Schuyler	16,900	17,800	16,800	17,600	35.5	32.8	596,000	578,000
Sullivan	25,200	26,500	25,000	26,300	34.3	22.4	857,000	590,000
North Central	706,800	712,500	700,400	705,100	37.4	24.9	26,201,000	17,569,000
Audrain	157,600	158,000	156,300	157,300	37.8	29.9	5,908,000	4,702,000
Clark	68,500	69,500	68,300	69,000	38.2	34.9	2,609,000	2,406,000
Knox	71,600	75,400	71,500	74,900	36.0	34.0	2,574,000	2,543,000
Lewis	62,700	65,200	62,400	64,800	39.8	35.9	2,483,000	2,328,000
Marion	55,400	62,100	54,800	61,700	38.6	35.2	2,113,000	2,170,000
Monroe	78,100	77,200	77,100	76,700	40.0	25.9	3,084,000	1,986,000
Pike	75,200	74,500	69,600	73,500	42.2	31.9	2,938,000	2,346,000
Ralls	77,400	77,800	76,900	77,200	36.2	30.9	2,784,000	2,385,000
Scotland	55,300	56,100	55,100	55,600	41.9	34.4	2,309,000	1,910,000
Shelby	96,700	95,600	95,700	94,900	38.5	32.1	3,682,000	3,044,000
Northeast	798,500	811,400	787,700	805,600	38.7	32.1	30,484,000	25,820,000
Bates	109,500	108,100	108,500	107,100	22.1	21.0	2,398,000	2,253,000
Cass	68,200	67,600	68,100	67,100	24.0	19.0	1,634,000	1,275,000
Cedar	4,300	4,600	4,300	4,500	17.4	30.2	75,000	136,000
Henry	49,400	49,200	49,200	48,600	17.9	21.2	880,000	1,028,000
Jackson	44,100	43,400	43,900	43,100	34.8	20.1	1,528,000	865,000
Johnson	59,600	57,900	59,100	57,300	24.9	16.9	1,472,000	970,000
Lafayette	106,300	110,100	105,400	109,200	42.9	27.8	4,522,000	3,038,000
St. Clair	26,300	25,800	26,200	25,600	20.8	23.6	545,000	603,000
Vernon	77,100	74,400	76,600	73,700	14.8	21.0	1,134,000	1,548,000
West Central	544,800	541,100	541,300	536,200	26.2	21.9	14,188,000	11,416,000
Benton	20,600	21,300	20,400	21,100	27.4	19.7	559,000	415,000
Boone	44,800	46,900	44,400	46,400	36.6	27.1	1,623,000	1,259,000
Callaway	58,900	62,100	58,300	61,900	37.6	27.2	2,192,000	1,685,000
Camden	*	*						
Cole	9,700	9,900	9,600	9,800	42.9	31.3	412,000	307,000
Cooper	61,800	65,700	61,300	65,400	35.5	26.9	2,176,000	1,759,000
Dallas	*	*						
Hickory	1,800	1,800	1,800	1,600	20.0	21.3	36,000	34,000
Howard	37,500	39,400	37,400	39,100	40.6	31.9	1,518,000	1,248,000
Laclede	*	*						
Maries	1,600	1,600	1,400	1,500	35.0	26.7	49,000	40,000
Miller	3,100	3,500	3,000	3,400	33.0	32.9	99,000	112,000
Moniteau	20,200	20,200	20,100	20,000	34.0	22.1	684,000	442,000
Morgan	8,500	8,800	8,500	8,700	31.4	20.5	267,000	178,000
Osage	11,500	11,000	11,300	10,800	41.1	32.8	464,000	354,000



Soybeans

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	-acres-		-acres-		-bu-		-bu-	
Pettis	84,700	86,500	84,200	85,800	25.5	21.2	2,147,000	1,817,000
Phelps	*	*						
Polk	1,100	1,500	1,100	1,400	29.1	32.1	32,000	45,000
Pulaski	*	*						
Saline	144,200	146,600	143,300	145,200	42.3	33.9	6,062,000	4,926,000
Other Counties	1,000	1,300	1,000	900	37.0	28.9	37,000	26,000
Central	511,000	528,100	507,100	523,000	36.2	28.0	18,357,000	14,647,000
Crawford	*	*						
Franklin	27,600	27,400	27,200	27,200	36.0	31.4	979,000	854,000
Gasconade	9,800	10,200	9,700	10,100	36.3	28.1	352,000	284,000
Jefferson	6,700	7,000	6,600	6,900	35.8	31.6	236,000	218,000
Lincoln	67,100	64,300	66,800	63,700	34.7	33.8	2,317,000	2,153,000
Montgomery	66,800	66,400	66,100	65,900	36.0	34.7	2,382,000	2,285,000
Perry	39,600	38,800	39,100	38,700	38.1	32.1	1,490,000	1,243,000
St. Charles	59,200	57,200	58,500	56,900	36.4	38.0	2,129,000	2,162,000
Ste. Genevieve	19,600	18,100	19,400	17,900	35.8	34.9	694,000	625,000
St. Francois	1,300	1,200	1,200	1,000	38.3	36.0	46,000	36,000
St. Louis	10,500	10,000	10,300	9,900	40.0	37.1	412,000	367,000
Warren	32,300	31,300	31,800	31,000	31.3	32.2	995,000	999,000
Washington	*	*						
Other Counties	200	300	200	200	35.0	25.0	7,000	5,000
East	340,700	332,200	336,900	329,400	35.7	34.1	12,039,000	11,231,000
Barry	800	*	800		22.5		18,000	
Barton	80,300	77,700	79,500	77,100	19.4	26.8	1,546,000	2,067,000
Christian	*	*						
Dade	25,400	24,900	25,000	24,700	25.7	29.1	642,000	718,000
Greene	500	*	500		20.0		10,000	
Jasper	43,400	43,800	42,900	43,300	23.4	26.3	1,006,000	1,139,000
Lawrence	7,300	7,100	7,200	7,000	25.6	26.4	184,000	185,000
McDonald	*	*						
Newton	2,700	3,100	2,600	3,000	23.5	24.3	61,000	73,000
Stone	*	*						
Other Counties	200	1,000	200	900	20.0	24.4	4,000	22,000
Southwest	160,600	157,600	158,700	156,000	21.9	26.9	3,471,000	4,204,000
Bollinger	23,100	20,700	23,000	20,600	32.0	29.0	735,000	598,000
Carter	*	*						
Dent	*	*						
Douglas	*	*						
Howell	*	*						
Iron	*	*						
Madison	*	*						
Oregon	*	*						
Ozark	*	*						
Reynolds	*	*						
Ripley	12,700	11,000	12,700	10,800	32.6	37.2	414,000	402,000
Shannon	*	*						
Taney	*	*						
Texas	*	*						
Wayne	3,400	3,000	3,400	2,900	26.5	33.1	90,000	96,000
Webster	*	*						
Wright	*	*						
Other Counties	900	700	800	600	22.5	28.3	18,000	17,000
South Central	40,100	35,400	39,900	34,900	31.5	31.9	1,257,000	1,113,000
Butler	116,000	107,500	115,500	107,400	34.9	38.4	4,036,000	4,127,000
Cape Girardeau	60,200	52,600	59,800	52,500	35.7	39.0	2,135,000	2,050,000
Dunklin	74,700	73,500	74,300	73,300	31.7	36.2	2,355,000	2,652,000
Mississippi	168,900	153,400	159,100	143,000	36.0	40.7	5,728,000	5,814,000
New Madrid	172,900	154,000	172,200	152,700	32.0	41.2	5,502,000	6,293,000
Pemiscot	117,900	119,400	116,700	118,900	31.2	39.1	3,643,000	4,650,000
Scott	101,700	85,100	101,500	85,000	36.0	36.8	3,654,000	3,128,000
Stoddard	158,700	150,100	157,500	149,400	39.6	39.2	6,237,000	5,863,000
Southeast	971,000	895,600	956,600	882,200	34.8	39.2	33,290,000	34,577,000
State	5,050,000	5,000,000	5,000,000	4,950,000	34.0	29.5	170,000,000	146,025,000

*Counties with small acreages are not published, included in Other Counties.



Corn

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	<i>-acres-</i>		<i>-acres-</i>		<i>-bu-</i>		<i>-bu-</i>	
Andrew	50,100	52,100	49,100	50,200	99.7	98.7	4,894,000	4,957,000
Atchison	121,100	121,500	120,800	120,600	81.4	102.4	9,839,000	12,354,000
Buchanan	43,800	44,500	43,500	44,100	106.6	89.0	4,637,000	3,923,000
Caldwell	20,700	18,800	20,400	18,400	75.3	48.6	1,537,000	894,000
Clay	8,000	6,700	7,900	6,600	102.2	82.4	807,000	544,000
Clinton	32,900	30,100	32,100	29,100	83.4	64.3	2,677,000	1,870,000
Daviess	32,000	28,600	31,700	27,500	83.7	47.1	2,652,000	1,295,000
De Kalb	24,600	25,200	23,900	24,100	78.9	57.5	1,885,000	1,385,000
Gentry	28,500	28,100	27,900	26,600	85.1	66.3	2,373,000	1,763,000
Harrison	41,500	41,200	41,300	40,300	106.1	75.0	4,380,000	3,021,000
Holt	93,700	101,800	93,500	101,300	124.8	131.9	11,667,000	13,364,000
Nodaway	109,800	109,900	107,800	108,700	86.5	107.0	9,321,000	11,636,000
Platte	37,900	39,800	37,900	39,400	96.4	72.1	3,652,000	2,839,000
Ray	37,200	35,100	35,300	34,100	105.2	105.3	3,712,000	3,592,000
Worth	11,400	11,300	11,100	11,000	96.3	105.3	1,069,000	1,158,000
Northwest	693,200	694,700	684,200	682,000	95.2	94.7	65,102,000	64,595,000
Adair	12,000	12,500	11,700	12,100	100.8	112.6	1,179,000	1,362,000
Carroll	77,500	76,000	75,800	74,500	124.7	113.5	9,450,000	8,459,000
Chariton	66,900	69,000	65,500	67,400	123.4	108.9	8,082,000	7,343,000
Grundy	23,200	24,700	22,300	23,900	107.6	62.1	2,400,000	1,483,000
Linn	19,200	17,600	18,200	16,900	100.2	67.8	1,824,000	1,145,000
Livingston	27,000	25,900	26,300	25,300	113.0	63.4	2,973,000	1,603,000
Macon	21,300	22,300	21,000	22,000	98.0	93.1	2,058,000	2,049,000
Mercer	16,200	14,000	16,000	13,700	122.3	111.5	1,957,000	1,528,000
Putnam	9,300	12,600	8,900	12,100	106.5	112.1	948,000	1,357,000
Randolph	14,200	13,400	13,500	12,900	101.5	88.1	1,370,000	1,136,000
Schuyler	9,000	8,400	8,900	8,100	106.4	104.9	947,000	850,000
Sullivan	9,700	8,400	9,300	8,200	102.0	74.8	949,000	613,000
North Central	305,500	304,800	297,400	297,100	114.8	97.4	34,137,000	28,928,000
Audrain	76,800	70,100	73,300	67,400	89.3	87.0	6,547,000	5,861,000
Clark	49,300	51,800	48,500	51,100	108.2	136.1	5,249,000	6,956,000
Knox	35,200	36,700	32,700	32,900	97.2	137.9	3,180,000	4,538,000
Lewis	53,000	51,800	50,900	50,000	100.9	137.4	5,134,000	6,871,000
Marion	51,700	50,200	50,400	49,300	108.8	131.9	5,482,000	6,504,000
Monroe	48,300	46,800	46,600	45,200	86.3	70.2	4,021,000	3,171,000
Pike	56,200	49,900	51,800	48,000	89.6	113.4	4,643,000	5,445,000
Ralls	43,800	42,100	42,600	40,900	75.2	97.6	3,204,000	3,990,000
Scotland	35,300	38,200	33,800	37,000	118.6	127.9	4,007,000	4,733,000
Shelby	41,500	38,600	40,500	36,300	94.1	109.3	3,813,000	3,969,000
Northeast	491,100	476,200	471,100	458,100	96.1	113.6	45,280,000	52,038,000
Bates	40,600	46,000	39,500	43,900	94.5	73.0	3,733,000	3,203,000
Cass	28,500	28,400	27,700	27,700	100.5	71.8	2,785,000	1,988,000
Cedar	2,100	2,200	1,800	1,900	85.6	98.4	154,000	187,000
Henry	22,100	22,900	21,700	20,700	75.7	43.4	1,643,000	898,000
Jackson	18,200	18,800	18,000	18,300	98.6	84.4	1,775,000	1,544,000
Johnson	34,100	34,100	32,600	31,700	83.7	52.3	2,730,000	1,657,000
Lafayette	92,700	91,500	91,300	90,500	110.3	102.0	10,071,000	9,234,000
St. Clair	9,700	9,600	9,300	8,600	79.7	57.8	741,000	497,000
Vernon	37,500	39,500	37,300	39,200	89.9	81.8	3,353,000	3,205,000
West Central	285,500	293,000	279,200	282,500	96.7	79.3	26,985,000	22,413,000
Benton	8,400	8,100	7,700	6,900	96.8	40.3	745,000	278,000
Boone	22,000	22,500	21,500	22,000	94.7	88.9	2,036,000	1,955,000
Callaway	25,100	20,700	24,400	19,900	98.0	78.5	2,392,000	1,563,000
Camden	*	*						
Cole	5,100	5,200	4,700	4,500	110.6	96.4	520,000	434,000
Cooper	41,300	39,500	38,700	37,500	97.1	77.3	3,759,000	2,897,000
Dallas	*	*						
Hickory	2,200	1,600	1,400	1,100	82.9	60.0	116,000	66,000
Howard	32,000	30,400	31,700	29,900	118.5	107.1	3,755,000	3,201,000
Laclede	1,300	2,200	400	700	85.0	90.0	34,000	63,000
Maries	1,200	1,100	700	800	91.4	80.0	64,000	64,000
Miller	2,100	2,200	1,400	1,600	102.9	98.1	144,000	157,000
Moniteau	12,500	13,700	11,600	12,500	92.7	75.2	1,075,000	940,000
Morgan	7,500	7,800	6,200	5,700	87.1	48.9	540,000	279,000
Osage	9,300	9,600	7,600	8,600	112.6	98.7	856,000	849,000



Corn

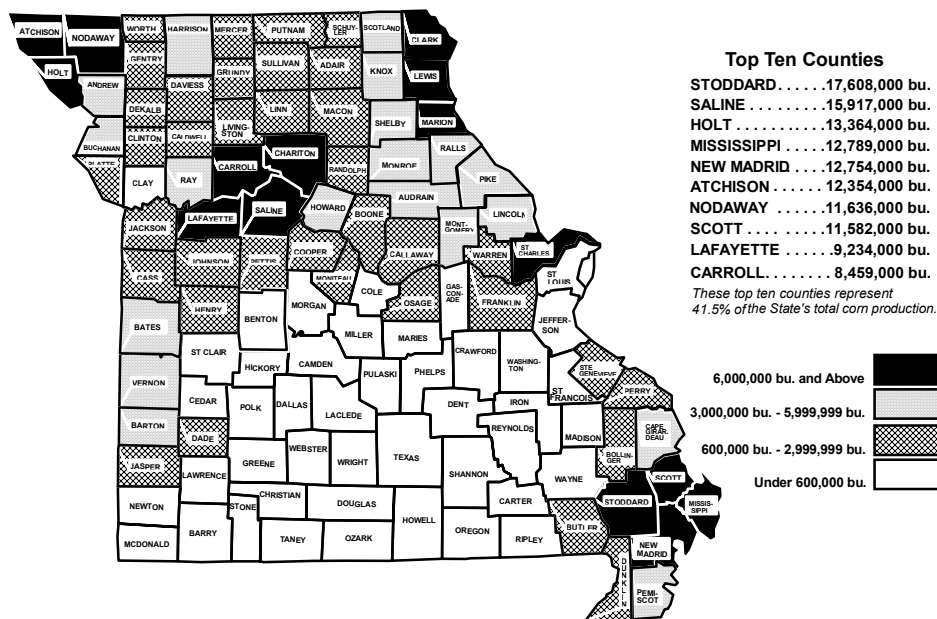
Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	<i>-acres-</i>		<i>-acres-</i>		<i>-bu-</i>		<i>-bu-</i>	
Pettis	51,200	48,800	50,100	45,300	85.9	47.2	4,302,000	2,137,000
Phelps	*	*						
Polk	2,500	2,400	1,700	1,400	72.9	87.1	124,000	122,000
Pulaski	*	*						
Saline	126,800	128,000	124,700	126,700	124.2	125.6	15,485,000	15,917,000
Other Counties	1,900	1,700	1,200	1,000	109.2	94.0	131,000	94,000
Central	352,400	345,500	335,700	326,100	107.5	95.1	36,078,000	31,016,000
Crawford	*	*						
Franklin	17,700	17,200	16,400	16,100	100.0	121.2	1,640,000	1,952,000
Gasconade	6,000	5,600	4,800	4,500	86.0	86.4	413,000	389,000
Jefferson	3,700	3,600	3,100	3,200	86.5	94.4	268,000	302,000
Lincoln	39,100	42,500	37,000	41,200	78.3	111.6	2,897,000	4,596,000
Montgomery	45,700	44,200	44,600	43,000	91.7	109.0	4,092,000	4,689,000
Perry	23,700	26,100	22,900	25,300	95.7	106.1	2,192,000	2,685,000
St. Charles	44,100	44,800	41,400	43,400	95.6	141.1	3,956,000	6,125,000
Ste. Genevieve	15,100	15,200	13,100	14,700	100.4	119.3	1,315,000	1,753,000
St. Francois	1,200	1,200	850	1,000	109.4	114.0	93,000	114,000
St. Louis	5,800	5,100	4,900	4,900	106.9	112.4	524,000	551,000
Warren	18,000	18,200	17,500	17,800	87.8	109.7	1,537,000	1,952,000
Washington	*	*						
Other Counties	400	400	350	300	91.4	73.3	32,000	22,000
East Central	220,500	224,100	206,900	215,400	91.6	116.7	18,959,000	25,130,000
Barry	1,300	1,600	800	1,200	115.0	100.0	92,000	120,000
Barton	26,800	35,000	25,700	33,700	117.1	112.3	3,010,000	3,785,000
Christian	*	*						
Dade	7,200	8,900	6,700	8,500	118.4	98.1	793,000	834,000
Greene	1,500	1,000	600	450	91.7	75.6	55,000	34,000
Jasper	12,900	17,600	12,400	17,000	109.2	109.8	1,354,000	1,867,000
Lawrence	5,500	5,100	4,300	4,100	115.3	118.5	496,000	486,000
McDonald	*	*						0
Newton	3,000	3,100	2,500	2,200	94.4	84.5	236,000	186,000
Stone	*	*						0
Other Counties	1,600	1,300	400	350	80.0	100.0	32,000	35,000
Southwest	59,800	73,600	53,400	67,500	113.6	108.8	6,068,000	7,347,000
Bollinger	10,300	13,400	10,200	12,700	108.4	112.6	1,106,000	1,430,000
Carter	*	*						
Dent	*	*						
Douglas	*	*						
Howell	*	*						
Iron	*	*						
Madison	*	*						
Oregon	*	*						
Ozark	*	*						
Reynolds	*	*						
Ripley	1,100	2,300	1,100	2,200	132.7	148.2	146,000	326,000
Shannon	*	*						
Taney	*	*						
Texas	*	*						
Wayne	1,200	1,900	1,100	1,800	95.5	126.7	105,000	228,000
Webster	1,600	1,300	400	300	107.5	63.3	43,000	19,000
Wright	*	*						
Other Counties	2,400	2,300	600	500	98.3	94.0	59,000	47,000
South Central	16,600	21,200	13,400	17,500	108.9	117.1	1,459,000	2,050,000
Butler	12,800	20,500	12,700	20,300	126.3	134.4	1,604,000	2,729,000
Cape Girardeau	26,400	34,900	24,300	33,000	97.3	140.5	2,365,000	4,637,000
Dunklin	11,900	17,900	11,700	17,800	136.6	158.9	1,598,000	2,828,000
Mississippi	67,700	86,800	60,500	81,500	139.1	156.9	8,418,000	12,789,000
New Madrid	79,400	87,800	76,100	84,400	144.5	151.1	10,993,000	12,754,000
Pemiscot	23,600	32,500	21,800	30,900	127.9	128.0	2,788,000	3,956,000
Scott	60,800	75,400	59,000	75,100	136.9	154.2	8,077,000	11,582,000
Stoddard	92,800	111,100	92,600	110,800	146.7	158.9	13,589,000	17,608,000
Southeast	375,400	466,900	358,700	453,800	137.8	151.8	49,432,000	68,883,000
State	2,800,0	2,900,000	2,700,000	2,800,000	105.0	108.0	283,500,000	302,400,000

*Counties with small acreages are not published, included in Other Counties.



2003 Corn Production By County



Biotechnology Corn as a Percent of all Corn Planted, Missouri, 2001-2004 ^{1/}

Biotechnology Varieties	2001	2002	2003	2004
	-percent-			
Insect Resistant (bt)	23	27	32	32
Herbicide Resistant	8	6	9	13
Stacked Gene Varieties	1	2	1	4
All Biotech Varieties	32	34	42	49

^{1/} Series began in 2000.

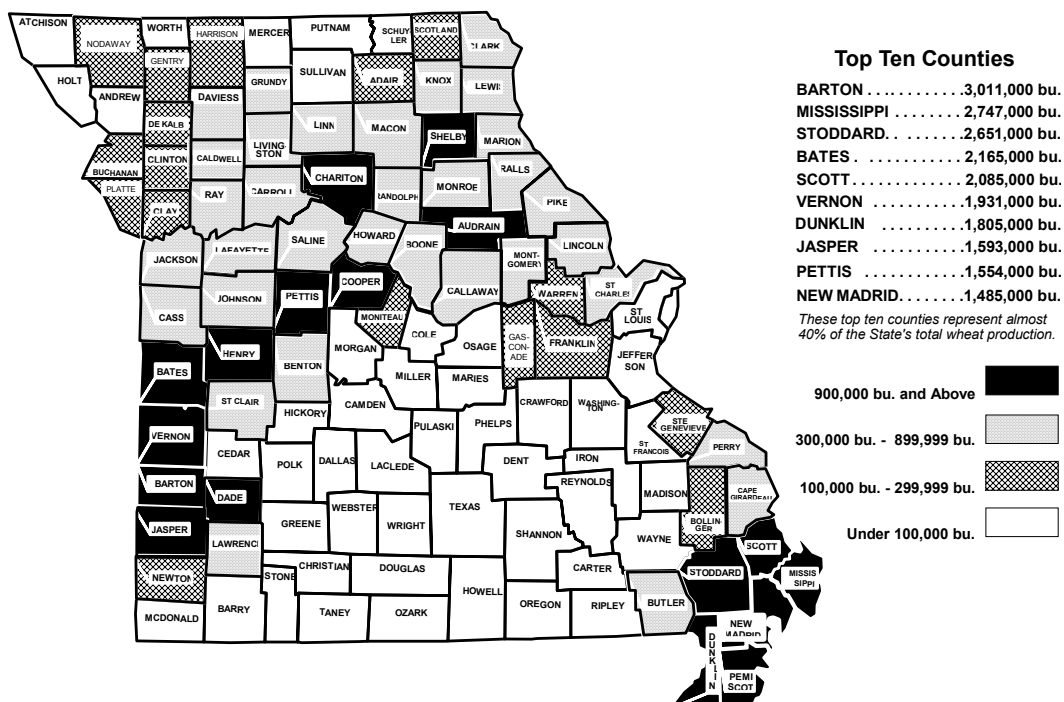
Corn for Silage, By District, Missouri, 2002-2003 ^{1/}

District	2002			2003		
	Harvested	Yield	Production	Harvested	Yield	Production
	-thous.-	-tons-	-thous. tons-	-thous.-	-tons-	-thous. tons-
NW	7,900	12.4	98,000	11,700	8.0	94,000
NC	6,000	12.3	74,000	6,700	8.2	55,000
NE	15,500	13.8	214,000	16,200	14.8	240,000
WC	5,900	12.7	75,000	9,400	7.4	70,000
C	14,300	12.2	174,000	17,300	9.8	169,000
EC	7,900	13.2	104,000	6,700	11.5	77,000
SW	6,200	12.9	80,000	5,900	10.5	62,000
SC	3,100	12.6	39,000	3,600	10.8	39,000
SE	3,200	16.3	52,000	2,500	13.6	34,000
State	70,000	13.0	910,000	80,000	10.5	840,000

^{1/} See inside front cover for district boundaries.



2003 Wheat Production By Counties

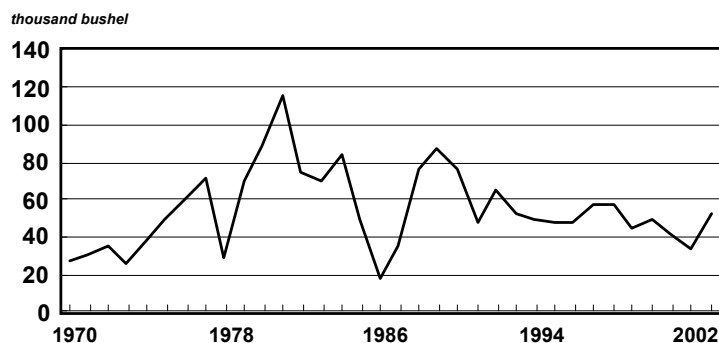


Winter Wheat Heads per Square Foot, Missouri, 1999-2004^{1/}

Year	1999	2000	2001	2002	2003	2004
	49.9	47.7	47.7	54.8	51.3	51.8

^{1/} Based on the number of heads counted in plots selected for the Wheat Objective Yield Survey.

Winter Wheat Production, 1970-2003





Wheat

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	-acres-		-acres-		-bu-		-bu-	
Andrew	1,600	2,200	1,200	1,300	55	63.8	66,000	83,000
Atchison	*	*	*	*	*	*	*	*
Buchanan	2,800	3,800	2,300	2,700	48.7	54.8	112,000	148,000
Caldwell	2,700	5,600	2,200	5,300	43.2	60.8	95,000	322,000
Clay	2,300	2,500	1,900	2,400	43.2	60.0	82,000	144,000
Clinton	2,000	3,100	1,400	2,700	42.9	58.1	60,000	157,000
Daviess	3,600	5,200	3,200	4,600	48.4	66.1	155,000	304,000
De Kalb	2,400	4,100	2,100	3,900	45.2	69.2	95,000	270,000
Gentry	1,500	3,300	1,200	2,800	45.8	65.0	55,000	182,000
Harrison	1,800	3,600	1,500	3,200	35.3	57.8	53,000	185,000
Holt	900	1,200	800	1,100	50.0	59.1	40,000	65,000
Nodaway	1,600	3,100	1,400	2,400	53.6	57.9	75,000	139,000
Platte	2,400	4,400	2,000	4,200	42.5	61.9	85,000	260,000
Ray	5,000	8,100	4,400	7,900	43.6	64.7	192,000	511,000
Worth	*	*	*	*	*	*	*	*
Other Counties	400	1,300	400	1,200	52.5	63.3	21,000	76,000
Northwest	31,000	51,500	26,000	45,700	45.6	62.3	1,186,000	2,846,000
Adair	2,300	2,900	2,100	2,700	53.3	63.0	112,000	170,000
Carroll	10,400	12,600	9,100	12,100	44.0	65.3	400,000	790,000
Chariton	13,800	16,200	12,800	15,800	50.3	65.3	644,000	1,031,000
Grundy	3,100	5,300	2,900	5,000	43.1	67.6	125,000	338,000
Linn	4,300	7,100	4,000	6,800	49.5	59.1	198,000	402,000
Livingston	10,500	12,900	9,400	12,400	55.1	65.3	518,000	810,000
Macon	7,300	10,200	6,400	9,900	51.3	66.0	328,000	653,000
Mercer	*	600	*	500	*	62.0	*	31,000
Putnam	600	1,200	500	1,100	50.0	60.9	25,000	67,000
Randolph	5,800	7,800	5,400	7,600	45.4	67.6	245,000	514,000
Schuyler	700	1,100	600	900	33.3	65.6	20,000	59,000
Sullivan	*	1,100	*	1,000	*	66.0	*	66,000
Other Counties	1,200	0	800	0	41.3	0.0	33,000	0
North Central	60,000	79,000	54,000	75,800	49.0	65.1	2,648,000	4,931,000
Audrain	13,400	21,500	12,200	20,400	52.9	66.6	645,000	1,358,000
Clark	3,800	5,100	3,600	4,900	51.4	70.4	185,000	345,000
Knox	3,900	5,400	3,600	4,800	48.6	65.4	175,000	314,000
Lewis	5,100	6,500	4,700	6,100	52.8	73.3	248,000	447,000
Marion	8,300	10,600	7,900	9,900	52.5	70.7	415,000	700,000
Monroe	7,300	11,700	6,800	11,200	54.4	71.1	370,000	796,000
Pike	10,400	14,200	9,600	13,600	47.7	64.7	458,000	880,000
Ralls	7,900	13,200	7,700	12,700	50.0	69.5	385,000	883,000
Scotland	3,700	3,400	3,500	3,000	52.3	71.0	183,000	213,000
Shelby	9,200	16,400	8,400	15,700	53.0	66.0	445,000	1,036,000
Northeast	73,000	108,000	68,000	102,300	51.6	68.2	3,509,000	6,972,000
Bates	34,100	34,700	32,200	33,100	39.3	65.4	1,266,000	2,165,000
Cass	13,400	13,900	12,900	13,100	43.7	66.3	564,000	869,000
Cedar	1,000	1,100	800	1,000	41.3	54.0	33,000	54,000
Henry	16,700	19,300	16,100	18,600	37.6	57.9	606,000	1,077,000
Jackson	7,200	8,800	7,000	8,200	42.1	68.0	295,000	558,000
Johnson	9,200	11,300	8,300	10,100	45.2	64.7	375,000	653,000
Lafayette	7,800	8,200	6,600	7,000	44.7	64.3	295,000	450,000
St. Clair	14,300	13,800	12,400	12,900	37.1	55.1	460,000	711,000
Vernon	29,300	31,900	25,700	30,700	36.6	62.9	940,000	1,931,000
West	133,000	143,000	122,000	134,700	39.6	62.9	4,834,000	8,468,000
Benton	6,700	7,900	5,900	7,400	44.1	62.6	260,000	463,000
Boone	8,000	9,100	6,600	8,500	47.0	65.1	310,000	553,000
Callaway	9,600	11,700	7,700	10,400	42.9	62.6	330,000	651,000
Camden	*	*	*	*	*	*	*	*
Cole	2,700	2,600	2,100	2,000	38.1	47.5	80,000	95,000
Cooper	19,000	17,700	16,200	16,100	45.4	67.8	735,000	1,092,000
Dallas	*	900	*	300	*	43.3	*	13,000
Hickory	*	1,200	*	400	*	45.0	*	18,000
Howard	7,700	7,000	6,700	5,700	47.8	64.0	320,000	365,000
Laclede	*	1,100	*	400	*	42.5	*	17,000
Maries	*	1,000	*	400	*	42.5	*	17,000
Miller	1,600	1,700	800	700	35.0	42.9	28,000	30,000
Moniteau	5,200	5,500	3,800	5,100	36.8	58.2	140,000	297,000
Morgan	1,500	2,200	1,300	1,700	44.6	57.1	58,000	97,000
Osage	3700	3,700	1,400	1,500	37.1	42.0	52,000	63,000



Wheat

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	<i>-acres-</i>		<i>-acres-</i>		<i>-bu-</i>		<i>-bu-</i>	
Pettis	24,400	26,200	21,200	23,700	42.2	65.6	894,000	1,554,000
Phelps	*	600	*	300	*	40.0	*	12,000
Polk	1,900	2,300	800	1,000	35.0	51.0	28,000	51,000
Pulaski	*	*	*	*	*	*	*	*
Saline	10,200	10,000	8,400	9,300	44.6	60.2	375,000	560,000
Other Counties	3,800	600	2,100	100	34.8	40.0	73,000	4,000
Central	106,000	113,000	85,000	95,000	43.3	62.7	3,683,000	5,952,000
Crawford	*	*	*	*	*	*	*	*
Franklin	5,600	6,000	4,800	5,600	39.8	50.5	191,000	283,000
Gasconade	3,000	2,900	2,000	2,600	36.0	44.6	72,000	116,000
Jefferson	1,500	1,500	1,000	1,300	39.0	48.5	39,000	63,000
Lincoln	10,300	14,300	9,800	13,400	44.9	62.0	440,000	831,000
Montgomery	9,600	12,600	8,600	12,100	46.7	56.0	402,000	677,000
Perry	13,300	14,100	11,600	13,400	39.2	54.6	455,000	731,000
St. Charles	6,300	6,900	5,600	6,500	40.2	60.3	225,000	392,000
Ste. Genevieve	4,200	4,800	3,000	4,500	35.0	51.1	105,000	230,000
St. Francois	1,100	700	600	500	36.7	50.0	22,000	25,000
St. Louis	1,000	1,600	900	1,500	46.7	55.3	42,000	83,000
Warren	3,300	4,100	2,600	3,700	40.4	57.8	105,000	214,000
Washington	*	*	*	*	*	*	*	*
Other Counties	800	500	500	400	42.0	35.0	21,000	14,000
East Central	60,000	70,000	51,000	65,500	41.5	55.9	2,119,000	3,659,000
Barry	1,000	1,400	500	700	38.0	57.1	19,000	40,000
Barton	48,100	49,500	42,400	46,500	38.2	64.8	1,620,000	3,011,000
Christian	*	1,000	*	200	*	60.0	*	12,000
Dade	22,700	25,500	18,300	22,500	36.6	63.2	670,000	1,422,000
Greene	2,200	1,400	500	400	30.0	55.0	15,000	22,000
Jasper	28,600	32,600	22,800	28,500	36.0	55.9	820,000	1,593,000
Lawrence	7,800	9,400	4,900	6,500	36.7	57.4	180,000	373,000
McDonald	*	*	*	*	*	*	*	*
Newton	5,600	5,600	3,200	3,700	39.1	55.7	125,000	206,000
Stone	*	*	*	*	*	*	*	*
Other Counties	1,000	600	400	0	42.5	0.0	17,000	0
Southwest	117,000	127,000	93,000	109,000	37.3	61.3	3,466,000	6,679,000
Bollinger	5,200	4,300	3,200	3,100	39.1	44.8	125,000	139,000
Carter	*	*	*	*	*	*	*	*
Dent	*	*	*	*	*	*	*	*
Douglas	*	*	*	*	*	*	*	*
Howell	*	*	*	*	*	*	*	*
Iron	*	*	*	*	*	*	*	*
Madison	*	*	*	*	*	*	*	*
Oregon	*	*	*	*	*	*	*	*
Ozark	*	*	*	*	*	*	*	*
Reynolds	*	*	*	*	*	*	*	*
Ripley	1,900	800	1,100	600	45.5	48.3	50,000	29,000
Shannon	*	*	*	*	*	*	*	*
Taney	*	*	*	*	*	*	*	*
Texas	*	*	*	*	*	*	*	*
Wayne	*	900	*	800	*	47.5	*	38,000
Webster	1,700	1,400	600	700	40.0	58.6	24,000	41,000
Wright	*	*	*	*	*	*	*	*
Other Counties	4,200	3,100	2,100	900	41.0	44.4	86,000	40,000
South Central	13,000	10,500	7,000	6,100	40.7	47.0	285,000	287,000
Butler	18,000	16,700	15,400	15,500	40.9	48.5	630,000	751,000
Cape Girardeau	19,500	17,800	15,700	15,400	38.2	53.1	600,000	818,000
Dunklin	31,200	31,600	22,200	29,200	47.3	61.8	1,050,000	1,805,000
Mississippi	62,200	46,800	55,100	45,800	51.9	60.0	2,860,000	2,747,000
New Madrid	41,500	30,800	33,900	27,600	48.4	53.8	1,640,000	1,485,000
Pemiscot	36,000	24,300	28,600	17,800	43.4	52.5	1,240,000	934,000
Scott	49,000	41,200	40,200	38,900	42.8	53.6	1,720,000	2,085,000
Stoddard	49,600	48,800	42,900	45,700	45.9	58.0	1,970,000	2,651,000
Southeast	307,000	258,000	254,000	235,900	46.1	56.3	11,710,000	13,276,000
State	900,000	960,000	760,000	870,000	44.0	61.0	33,440,000	53,070,000

*Counties with small acreages are not published, included in Other Counties.



Sorghum

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	-acres-		-acres-		-bu-		-bu-	
Andrew	*	*						
Atchison	*	*						
Buchanan	*	*						
Caldwell	*	*						
Clay	*	*						
Clinton	*	*						
Daviess	*	1,100		1,000		55.0		55,000
DeKalb	*	2,500		2,100		71.4		150,000
Gentry	*	*						
Harrison	*	*						
Holt	*	*						
Nodaway	*	*						
Platte	*	*						
Ray	*	*						
Worth	*	*						
Other Counties	3,700	4,900	3,500	3,900	81.6	55.1	285,500	215,000
Northwest	3,700	8,500	3,500	7,000	81.6	60.0	285,500	420,000
Adair	*	*						
Carroll	*	*						
Chariton	*	*						
Grundy	1,700	2,700	1,700	2,600	91.2	63.5	155,000	165,000
Linn	1,400	1,300	1,400	1,300	102.1	46.9	143,000	61,000
Livingston	5,000	7,300	4,300	7,300	99.8	45.9	429,000	335,000
Macon	1,000	1,400	1,000	1,400	94.0	89.3	94,000	125,000
Mercer	*	*						
Putnam	*	*						
Randolph	1,400	1,400	1,400	1,400	106.4	89.3	149,000	125,000
Schuyler	*	*						
Sullivan	*	*						
Other Counties	1,500	1,900	1,500	1,500	82.6	79.3	123,900	119,000
North Central	12,000	16,000	11,300	15,500	96.8	60.0	1,093,900	930,000
Audrain	17,500	22,500	16,800	22,500	110.1	90.9	1,849,000	2,045,000
Clark	*	*						
Knox	*	*						
Lewis	*	*						
Marion	*	*						
Monroe	5,200	5,500	5,100	5,500	100.0	76.4	510,000	420,000
Pike	2,400	2,600	2,300	2,600	100.9	78.8	232,000	205,000
Ralls	3,300	5,100	3,200	5,100	98.8	102.0	316,000	520,000
Scotland	*	*						
Shelby	3,800	4,900	3,700	4,900	117.3	102.0	434,000	500,000
Other Counties	1,300	1,400	1,200	1,400	91.5	92.9	109,800	130,000
Northeast	33,500	42,000	32,300	42,000	106.8	91.0	3,450,800	3,820,000
Bates	2,000	2,600	1,900	2,500	71.6	70.0	136,000	175,000
Cass	1,400	1,700	1,300	1,700	85.4	50.0	111,000	85,000
Cedar	*	*						
Henry	4,500	5,100	4,400	5,000	65.2	52.0	287,000	260,000
Jackson	*	*						
Johnson	2,400	3,400	2,300	3,000	86.5	36.7	199,000	110,000
Lafayette	*	*						
St. Clair	2,400	2,500	2,400	2,300	77.9	58.7	187,000	135,000
Vernon	6,800	7,100	6,600	7,100	73.5	76.8	485,000	545,000
Other Counties	1,300	1,600	1,300	1,400	71.4	71.4	92,800	100,000
West Central	20,800	24,000	20,200	23,000	74.1	61.3	1,497,800	1,410,000
Benton	2,200	2,300	2,000	2,100	89.0	47.6	178,000	100,000
Boone	3,200	3,200	3,000	3,200	96.0	71.9	288,000	230,000
Callaway	5,000	5,600	4,900	5,400	94.5	72.2	463,000	390,000
Camden	*	*						
Cole	*	*						
Cooper	2,000	*	1,900		56.8		108,000	
Dallas	*	*						
Hickory	*	*						
Howard	*	*						
Laclede	*	*						
Maries	*	*						
Miller	*	*						
Moniteau	*	*						
Morgan	*	*						
Osage	*	*						



Sorghum

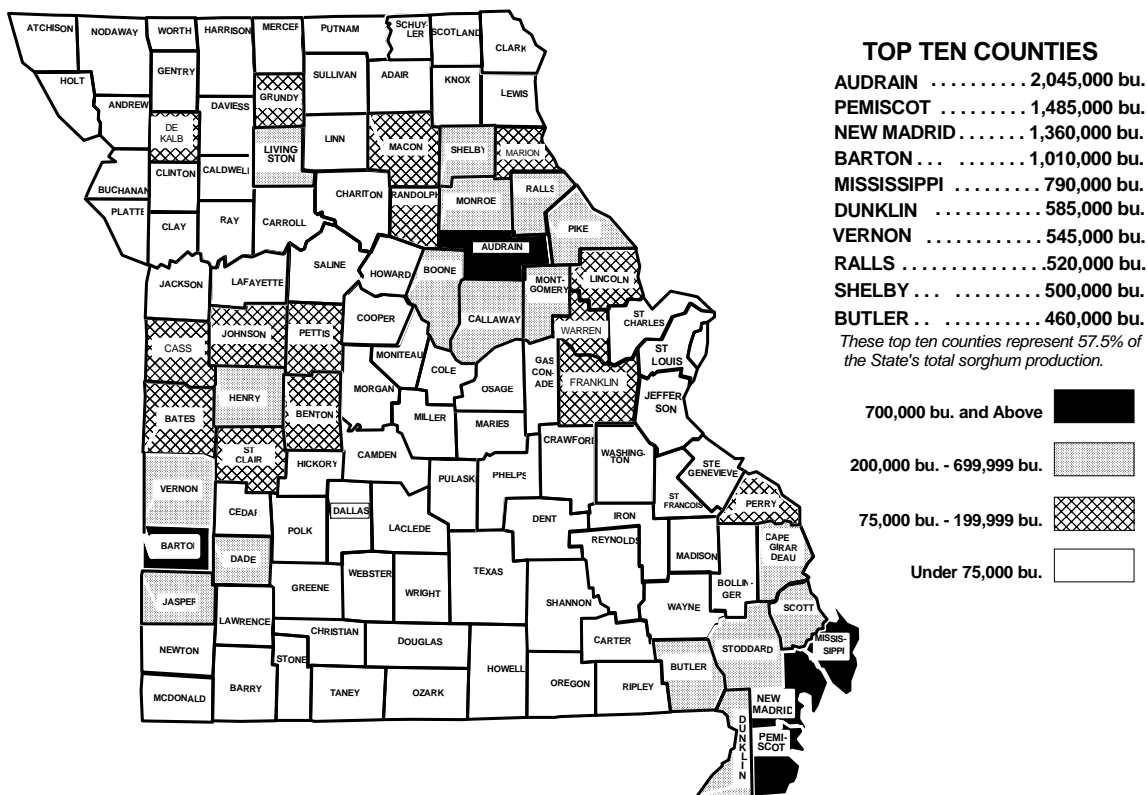
Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Planted		Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003	2002	2003
	<i>-acres-</i>		<i>-acres-</i>		<i>-bu-</i>		<i>-bu-</i>	
Pettis	2,800	4,000	2,750	4,000	85.8	48.8	236,000	195,000
Phelps	*	*						
Polk	*	*						
Pulaski	*	*						
Saline	*	*						
Other Counties	4,600	4,900	3,650	4,800	81.6	61.5	297,700	295,000
Central	19,800	20,000	18,200	19,500	86.3	62.1	1,570,700	1,210,000
Crawford	*	*						
Franklin	*	1,300		1,300		96.2		125,000
Gasconade	*	1,000		1,000		68.0		68,000
Jefferson	*	*						
Lincoln	*	1,100	*	1,000	*	84.0	*	84,000
Montgomery	3,100	3,700	2,900	3,500	90.3	82.9	262,000	290,000
Perry	*	1,200		1,200		63.3		76,000
St. Charles	*	*						
Ste. Genevieve	*	*						
St. Francois	*	*						
St. Louis	*	*						
Warren	1,300	2,200	1,200	2,200	55.0	70.5	66,000	155,000
Washington	*	*						
Other Counties	4,100	1,500	4,000	1,300	78.2	78.5	312,800	102,000
East Central	8,500	12,000	8,100	11,500	79.1	78.3	640,800	900,000
Barry	*	*						
Barton	17,600	13,700	16,800	13,700	75.2	73.7	1,263,000	1,010,000
Christian	*	*						
Dade	5,200	5,000	5,100	5,000	94.1	83.0	480,000	415,000
Greene	*	*						
Jasper	5,000	3,400	4,700	3,000	77.2	83.3	363,000	250,000
Lawrence	*	*						
McDonald	*	*						
Newton	*	*						
Stone	*	*						
Other Counties	1,200	1,900	600	1,800	61.7	58.3	37,000	105,000
Southwest	29,000	24,000	27,200	23,500	78.8	75.7	2,143,000	1,780,000
Bollinger	1,800	1,100	1,800	1,100	95.6	52.7	172,000	58,000
Carter	*	*						
Dent	*	*						
Douglas	*	*						
Howell	*	*						
Iron	*	*						
Madison	*	*						
Oregon	*	*						
Ozark	*	*						
Reynolds	*	*						
Ripley	*	*						
Shannon	*	*						
Taney	*	*						
Texas	*	*						
Wayne	*	*						
Webster	*	*						
Wright	*	*						
Other Counties	1,900	1,400	800	1,400	68.1	65.7	54,500	92,000
South Central	3,700	2,500	2,600	2,500	87.1	60.0	226,500	150,000
Butler	4,700	6,500	4,600	6,500	65.7	70.8	302,000	460,000
Cape Girardeau	2,400	2,300	2,400	2,300	85.4	97.8	205,000	225,000
Dunklin	7,700	7,800	7,400	7,800	74.2	75.0	549,000	585,000
Mississippi	9,200	8,000	8,800	8,000	86.1	98.8	758,000	790,000
New Madrid	13,700	15,900	13,100	15,800	77.6	86.1	1,017,000	1,360,000
Pemiscot	18,300	16,900	17,600	16,800	82.0	88.4	1,444,000	1,485,000
Scott	7,300	3,800	7,100	3,500	78.5	75.7	557,000	265,000
Stoddard	5,700	4,800	5,600	4,800	73.0	79.2	409,000	380,000
Southeast	69,000	66,000	66,600	65,500	78.7	84.7	5,241,000	5,550,000
State	200,000	215,000	190,000	210,000	85.0	77.0	16,150,000	16,170,000

* Included in Other Counties.



2003 Sorghum Production By County



Tobacco

Acreage, Yield and Production by County, Missouri 2002-2003

County	2002			2003		
	Harvested	Yield	Production	Harvested	Yield	Production
	-acres-	-lbs.-	-lbs.-	-acres-	-lbs.-	-lbs.-
Boone	16	2,630	42,100	18	2,085	37,500
Buchanan	260	2,385	620,000	260	1,990	518,000
Chariton	80	1,935	154,600	77	1,970	151,700
Clinton	23	2,390	55,000	20	1,710	34,200
Howard	130	1,935	251,500	130	1,700	221,000
Platte	840	2,280	1,914,000	840	2,135	1,792,000
Others	51	1,663	84,800	55	1,338	73,600
State	1,400	2,230	3,122,000	1,400	2,020	2,828,000

**Cotton****Acreage, Yield and Production by County, Missouri 2002-2003**

County	2002				2003			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	-acres-		-lbs.-	-480 lb. bales-	-acres-		-lbs.-	-480 lb. bales-
Dunklin	147,000	144,000	732	219,700	147,500	145,500	815	247,000
New Madrid	90,700	86,200	882	158,400	97,400	95,200	921	182,700
Pemiscot	91,900	88,300	758	139,500	91,500	86,800	816	147,600
Scott	6,600	6,500	945	12,800	12,600	12,200	791	20,100
Stoddard	43,500	42,700	889	79,100	50,700	50,000	980	102,100
Other Counties	300	300	800	500	300	300	800	500
State	380,000	368,000	796	610,000	400,000	390,000	862	700,000

Cotton**Varieties Planted, Missouri, 2001-2003**

Year	BCS Fibermax		Stoneville				Deltapine			Suregrow					Paymaster			Others with one percent or less
	958	958B	BXN 47	474	4793 R	4892 BR	425 RR	436 RR	451 B/RR	105	215 BG/RR	501 B/R	521 R	747	1199 RR	1218 BG/RR	2379	
-percent-																		
2001	---	---	38	6	2	13	9	10	---	3	---	2	1	5	---	7	---	4
2002	2	---	23	4	19	11	6	11	1	3	3	---	3	4	1	5	---	5
2003	4	2	1	---	15	34	---	3	6	2	7	1	3	---	2	14	1	3

Source: Agricultural Marketing Service, Cotton Division, U.S. Department of Agriculture.

Rice**Acreage, Yield and Production by County, Missouri 2002-2003**

County	2002				2003			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	-acres-		-lbs.-	-cwt.-	-acres-		-lbs.-	-cwt.-
Butler	64,000	61,500	6,020	3,700,000	63,600	63,600	6,100	3,880,000
Dunklin	15,000	14,500	6,340	920,000	13,800	13,500	5,860	791,000
New Madrid	23,000	21,900	6,300	1,380,000	19,600	19,200	5,830	1,120,000
Pemiscot	19,500	18,800	6,010	1,130,000	18,300	17,700	5,970	1,056,000
Ripley	5,400	4,500	5,330	240,000	5,100	5,100	6,490	331,000
Scott	1/	1/	1/	1/	1,200	1,200	5,580	67,000
Stoddard	61,000	58,900	5,990	3,530,000	53,000	49,300	6,400	3,157,000
Other Counties	2,100	1,900	5,840	111,000	1,400	1,400	5,860	82,000
State	190,000	182,000	6,050	11,011,000	176,000	171,000	6,130	10,484,000

1/Included in Other Counties

Rice**Varieties Planted, Missouri 2001-2003**

Year	Medium Grain	Long Grain							
	Bengal	Drew	Cypress	Cocodrie	Priscilla	Wells	Clearfield	Frances	Other
	-percent-								
2001	0.1	11.1	20.7	42.4	4.4	17.0	---	---	4.3
2002	---	3.0	14.0	45.0	---	34.0	0.6	---	3.4
2003	---	---	---	15.0	---	74.2	8.7	2.1	---

Source: Agronomy Specialist, University of Missouri Extension Service, Poplar Bluff, Southeast Region.



Hay

Acreage, Yield and Production, by County, Missouri, 2002-2003

County	Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003
	<i>-acres-</i>		<i>-tons-</i>		<i>-tons-</i>	
Andrew	22,000	22,000	2.36	2.09	52,000	46,000
Atchison	10,000	10,000	1.80	1.80	18,000	18,000
Buchanan	20,000	20,000	1.75	1.75	35,000	35,000
Caldwell	36,000	36,000	1.58	1.50	57,000	54,000
Clay	23,000	21,000	1.70	1.90	39,000	40,000
Clinton	33,000	31,000	1.94	1.87	64,000	58,000
Daviess	39,000	38,000	1.72	1.61	67,000	61,000
DeKalb	32,000	30,000	1.78	1.80	57,000	54,000
Gentry	38,000	38,000	1.82	1.76	69,000	67,000
Harrison	48,000	48,000	1.94	1.96	93,000	94,000
Holt	7,000	7,000	2.00	2.00	14,000	14,000
Nodaway	53,000	52,000	2.08	2.02	110,000	105,000
Platte	19,000	18,000	1.79	1.83	34,000	33,000
Ray	38,000	37,000	1.71	1.65	65,000	61,000
Worth	22,000	22,000	1.86	1.73	41,000	38,000
Northwest	440,000	430,000	1.85	1.81	815,000	778,000
Adair	51,000	51,000	1.78	1.71	91,000	87,000
Carroll	29,000	30,000	2.00	1.93	58,000	58,000
Chariton	32,000	32,000	2.44	2.16	78,000	69,000
Grundy	26,000	26,000	1.77	1.62	46,000	42,000
Linn	59,000	62,000	1.95	1.63	115,000	101,000
Livingston	25,000	26,000	1.88	1.81	47,000	47,000
Macon	58,000	58,000	2.19	2.05	127,000	119,000
Mercer	31,000	31,000	1.94	1.87	60,000	58,000
Putnam	53,000	54,000	1.94	2.00	103,000	108,000
Randolph	35,000	36,000	1.74	1.72	61,000	62,000
Schuyler	32,000	31,000	1.91	1.87	61,000	58,000
Sullivan	64,000	63,000	1.75	1.71	112,000	108,000
North Central	495,000	500,000	1.94	1.83	959,000	917,000
Audrain	27,000	27,000	1.93	2.30	52,000	62,000
Clark	25,000	25,000	2.12	2.00	53,000	50,000
Knox	27,000	27,000	2.04	2.41	55,000	65,000
Lewis	22,000	23,000	2.50	2.22	55,000	51,000
Marion	17,000	17,000	2.24	2.47	38,000	42,000
Monroe	30,000	31,000	2.07	2.26	62,000	70,000
Pike	34,000	34,000	2.15	2.09	73,000	71,000
Ralls	19,000	19,000	2.21	2.11	42,000	40,000
Scotland	28,000	29,000	2.07	2.34	58,000	68,000
Shelby	26,000	28,000	2.00	2.25	52,000	63,000
Northeast	255,000	260,000	2.12	2.24	540,000	582,000
Bates	70,000	71,000	2.03	1.93	142,000	137,000
Cass	65,000	66,000	1.92	1.76	125,000	116,000
Cedar	50,000	49,000	1.78	1.71	89,000	84,000
Henry	66,000	65,000	1.74	1.72	115,000	112,000
Jackson	22,000	21,000	1.50	1.76	33,000	37,000
Johnson	86,000	87,000	1.78	1.92	153,000	167,000
Lafayette	30,000	30,000	2.13	2.00	64,000	60,000
St Clair	57,000	56,000	2.05	2.18	117,000	122,000
Vernon	69,000	65,000	1.75	1.80	121,000	117,000
West Central	515,000	510,000	1.86	1.87	959,000	952,000
Benton	44,000	44,000	1.75	1.75	77,000	77,000
Boone	42,000	43,000	1.83	1.60	77,000	69,000
Callaway	49,000	50,000	1.84	1.72	90,000	86,000
Camden	24,000	23,000	1.96	1.65	47,000	38,000
Cole	41,000	42,000	2.12	2.02	87,000	85,000
Cooper	38,000	38,000	2.00	1.95	76,000	74,000
Dallas	59,000	59,000	1.95	1.98	115,000	117,000
Hickory	38,000	40,000	1.87	1.83	71,000	73,000
Howard	27,000	27,000	1.96	1.89	53,000	51,000
Laclede	71,000	71,000	2.06	1.96	146,000	139,000
Maries	48,000	47,000	2.04	2.09	98,000	98,000
Miller	48,000	47,000	1.98	1.96	95,000	92,000
Moniteau	55,000	55,000	2.00	1.85	110,000	102,000
Morgan	48,000	46,000	1.79	2.04	86,000	94,000
Osage	59,000	60,000	2.20	2.07	130,000	124,000

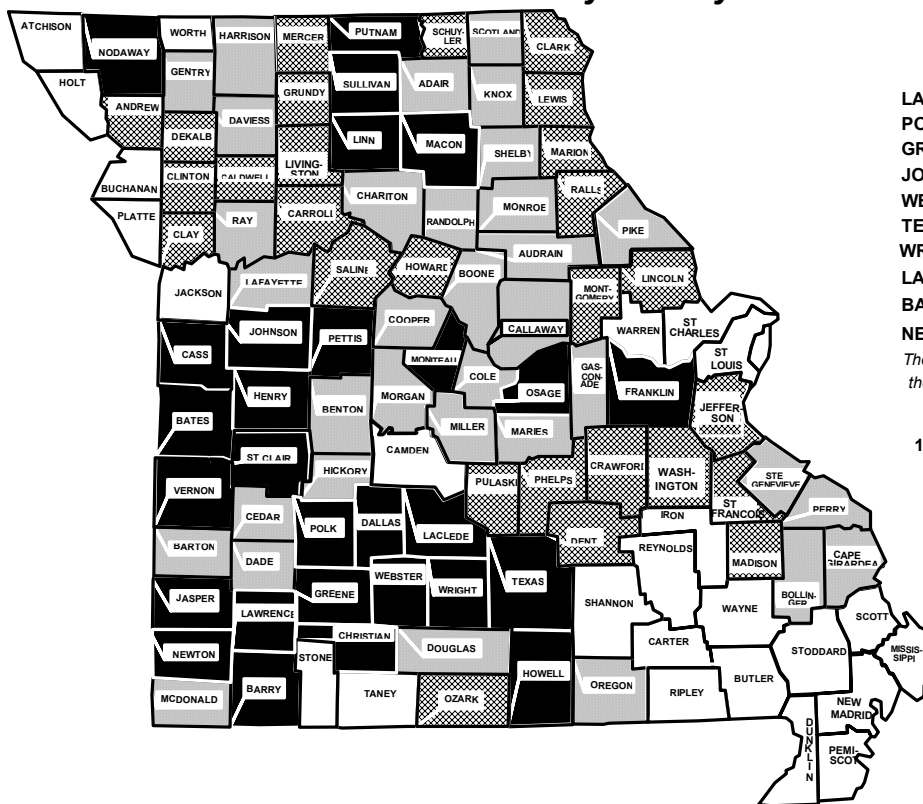
**Hay****Acres, Yield and Production, by County, Missouri, 2002-2003**

County	Harvested		Yield		Production	
	2002	2003	2002	2003	2002	2003
	<i>- acres -</i>		<i>-tons-</i>		<i>-tons-</i>	
Pettis	57,000	58,000	1.93	1.93	110,000	112,000
Phelps	29,000	29,000	2.07	1.83	60,000	53,000
Polk	94,000	91,000	2.12	2.08	199,000	189,000
Pulaski	24,000	25,000	2.04	1.88	49,000	47,000
Saline	25,000	25,000	2.32	2.12	58,000	53,000
Central	920,000	920,000	1.99	1.93	1,834,000	1,773,000
Crawford	33,000	34,000	2.00	1.74	66,000	59,000
Franklin	59,000	59,000	1.97	2.24	116,000	132,000
Gasconade	44,000	44,000	2.11	2.25	93,000	99,000
Jefferson	26,000	25,000	1.81	2.00	47,000	50,000
Lincoln	21,000	21,000	2.24	2.10	47,000	44,000
Montgomery	23,000	23,000	2.17	2.13	50,000	49,000
Perry	31,000	30,000	2.39	2.40	74,000	72,000
St Charles	12,000	12,000	2.75	2.25	33,000	27,000
Ste Genevieve	35,000	36,000	1.91	1.94	67,000	70,000
St Francois	33,000	33,000	1.64	1.79	54,000	59,000
St Louis	2,000	2,000	2.00	2.00	4,000	4,000
Warren	16,000	16,000	2.13	2.00	34,000	32,000
Washington	25,000	25,000	2.04	1.92	51,000	48,000
East Central	360,000	360,000	2.04	2.07	736,000	745,000
Barry	73,000	72,000	1.93	1.86	141,000	134,000
Barton	51,000	50,000	1.59	1.58	81,000	79,000
Christian	57,000	55,000	2.07	2.04	118,000	112,000
Dade	57,000	58,000	1.89	1.67	108,000	97,000
Greene	80,000	80,000	1.99	2.14	159,000	171,000
Jasper	55,000	55,000	1.78	1.84	98,000	101,000
Lawrence	94,000	93,000	2.04	2.10	192,000	195,000
McDonald	38,000	37,000	2.08	1.92	79,000	71,000
Newton	73,000	73,000	2.08	1.88	152,000	137,000
Stone	17,000	17,000	2.00	2.29	34,000	39,000
Southwest	595,000	590,000	1.95	1.93	1,162,000	1,136,000
Bollinger	38,000	39,000	2.05	1.92	78,000	75,000
Carter	11,000	11,000	1.64	1.73	18,000	19,000
Dent	28,000	28,000	1.79	1.93	50,000	54,000
Douglas	42,000	41,000	1.83	1.68	77,000	69,000
Howell	60,000	64,000	2.32	2.03	139,000	130,000
Iron	14,000	14,000	1.64	1.79	23,000	25,000
Madison	25,000	25,000	1.44	1.76	36,000	44,000
Oregon	35,000	36,000	1.74	1.89	61,000	68,000
Ozark	31,000	32,000	1.87	1.84	58,000	59,000
Reynolds	13,000	13,000	1.77	1.54	23,000	20,000
Ripley	18,000	19,000	1.78	1.68	32,000	32,000
Shannon	21,000	22,000	1.86	1.59	39,000	35,000
Taney	16,000	16,000	1.88	1.44	30,000	23,000
Texas	76,000	77,000	1.95	1.88	148,000	145,000
Wayne	14,000	14,000	2.07	1.71	29,000	24,000
Webster	79,000	77,000	2.03	1.95	160,000	150,000
Wright	67,000	72,000	2.18	2.01	146,000	145,000
South Central	588,000	600,000	1.95	1.86	1,147,000	1,117,000
Butler	10,000	9,000	1.81	2.22	18,100	20,000
Cape Girardeau	48,000	47,000	2.08	2.11	100,000	99,000
Dunklin	1,700	1,800	2.06	2.00	3,500	3,600
Mississippi	1,300	1,200	2.23	2.00	2,900	2,400
New Madrid	400	500	2.25	2.00	900	1,000
Pemiscot	600	500	2.50	2.00	1,500	1,000
Scott	6,000	6,000	2.02	2.33	12,100	14,000
Stoddard	14,000	14,000	2.29	1.93	32,000	27,000
Southeast	82,000	80,000	2.09	2.10	171,000	168,000
State	4,250,000	4,250,000	1.96	1.92	8,323,000	8,168,000



2003 Hay Production

By County



Top Ten Counties

LAWRENCE	195,000 tons
POLK	189,000 tons
GREENE	171,000 tons
JOHNSON	167,000 tons
WEBSTER	150,000 tons
TEXAS	145,000 tons
WRIGHT	145,000 tons
LACLEDE	139,000 tons
BATES	137,000 tons
NEWTON	137,000 tons

These top ten counties represent 22% of the State's total hay production.

100,000 tons and Above	
60,000 - 99,999 tons	
40,000 - 59,999 tons	
Under 40,000 tons	

Hay Stocks on Farms, Missouri, 1999-2003

Crop Year	1999	2000	2001	2002	2003
	-thousand tons-				
December 1	5,997	5,392	7,279	6,897	7,188
May 1 ^{1/}	1,445	799	1,063	1,083	1,470

1/ Following year

Rough Rice Stocks, Total All Positions, Missouri, 1999-2003

Crop Year	1999	2000	2001	2002	2003
	-thousand cwt.-				
December 1	4,934	5,417	8,206	5,577	5,941
March 1 ^{1/}	3,615	3,816	6,502	4,430	2/
August 1 ^{1/}	545	545	1,407	570	560

1/ Following year

2/ Not published to avoid disclosing individual data

Storage Facilities, Missouri, December 1, 1999-2003

	1999	2000	2001	2002	2003
Off Farm					
Number of facilities	459	441	420	402	396
	-thousand bushels-				
Capacity	227,650	225,970	224,860	222,300	219,200
On Farm					
Capacity	420,000	420,000	420,000	420,000	420,000



Corn, Soybeans, Sorghum and Wheat Stocks On-Farms and Off-Farms, Missouri, 1999-2003

Crop Year	Production for Grain	On-Farms				Off-Farms			
		Dec 1	Mar 1 ^{1/}	Jun 1 ^{1/}	Sep 1 ^{1/}	Dec 1	Mar 1 ^{1/}	Jun 1 ^{1/}	Sep 1 ^{1/}

-thousand bushels-

Corn

1999	247,350	120,000	76,000	42,000	12,500	53,408	40,051	24,774	16,860
2000	396,110	175,000	105,000	62,000	16,500	66,463	48,967	34,518	22,760
2001	345,800	160,000	92,000	55,000	15,500	65,017	50,068	33,136	18,693
2002	283,500	140,000	76,000	45,000	17,500	54,352	42,972	24,697	13,771
2003	302,400	135,000	71,000	30,000		50,449	44,307	23,902	

Soybeans

1999	147,125	66,000	41,000	18,500	5,300	51,763	32,083	15,680	8,753
2000	175,000	79,000	42,000	23,000	7,500	45,326	25,313	15,820	7,245
2001	186,200	86,000	45,000	17,500	4,400	51,188	29,671	16,799	6,725
2002	170,000	79,000	34,000	16,000	2,300	44,038	23,755	13,890	4,220
2003	143,260	51,000	14,000	5,200		40,725	25,418	13,949	

Sorghum

1999	22,010	9,300	4,400	3,200	1,600	4,159	2,670	1,390	1,006
2000	24,840	8,800	3,500	2,300	700	3,170	1,939	894	529
2001	20,680	5,700	4,100	1,200	500	2,907	1,798	1,276	518
2002	15,725	4,900	2,600	750	400	2,864	1,936	1,303	572
2003	16,170	4,000	1,500	750		2,832	1,986	1,292	

Crop Year	Production for Grain	On-Farms				Off-Farms			
		Sep 1	Dec 1	Mar 1 ^{1/}	Jun 1 ^{1/}	Sep 1	Dec 1	Mar 1 ^{1/}	Jun 1 ^{1/}

-thousand bushels-

Wheat

1999	44,160	5,500	3,100	1,550	1,000	41,955	34,794	24,999	19,409
2000	49,400	5,000	3,200	1,800	600	40,384	31,881	26,338	20,930
2001	41,040	4,300	2,500	900	350	35,420	25,381	21,206	13,654
2002	33,440	2,100	750	500	250	28,791	22,878	14,438	7,004
2003	53,070	4,900	2,300	600	300	27,815	23,728	16,137	8,612

^{1/} Following year



Corn, Soybeans, Sorghum, and Wheat Stocks Total All Positions, Missouri, 1999-2003

Crop Year	Production for Grain	Total All Positions			
		Dec 1	Mar 1 ^{1/}	Jun 1 ^{1/}	Sep 1 ^{1/}

-thousand bushels-

Corn

1999	247,350	173,408	116,051	66,774	29,360
2000	396,110	241,463	153,967	96,518	39,260
2001	345,800	225,017	142,068	88,136	34,193
2002	283,500	194,352	118,972	69,697	31,271
2003	302,400	185,449	115,307	53,902	

Soybeans

1999	147,125	117,763	73,083	34,180	14,053
2000	175,000	124,326	67,313	38,820	14,745
2001	186,200	137,188	74,671	34,299	11,125
2002	170,000	123,038	57,755	29,890	6,520
2003	143,260	91,725	39,418	19,149	

Sorghum

1999	22,010	13,459	7,070	4,590	2,606
2000	24,840	11,970	5,439	3,194	1,229
2001	20,680	8,607	5,898	2,476	1,018
2002	15,725	7,764	4,536	2,053	972
2003	16,170	6,832	3,486	2,042	

Crop Year	Production for Grain	Total All Positions			
		Sep 1	Dec 1	Mar 1 ^{1/}	Jun 1 ^{1/}

-thousand bushels-

Wheat

1999	44,160	47,455	37,894	26,549	20,409
2000	49,400	45,384	35,081	28,138	21,530
2001	41,040	39,720	27,881	22,106	14,004
2002	33,440	30,891	23,628	14,938	7,254
2003	53,070	32,715	26,028	16,137	8,912

1/ Following year.

Commercial Fertilizer

Consumption by Kind and Primary Plant Nutrients, Missouri, 1999-2003^{1/}

Item	1999	2000	2001	2002	2003
Multiple Nutrient	418,621	456,527	484,526	534,483	487,910
Nitrogen Materials					
Anhydrous Ammonia	136,717	146,760	118,699	166,230	143,160
Ammonium Nitrate	269,047	293,583	281,266	291,792	288,322
Ammonium Sulfate	17,101	21,949	22,190	18,259	21,063
Nitrogen solutions	275,096	288,689	283,557	267,204	219,346
Urea	190,512	176,326	198,611	206,901	185,092
Phosphate Materials					
Super Phosphates 22% and over	27,618	27,402	27,242	25,698	22,572
Other	2,947	3,087	2,877	2,400	828
Potash Materials					
Chloride, 60% and over	357,375	397,382	393,939	433,345	414,688
Other	4,844	5,523	5,347	4,911	4,339
Secondary and Micronutrient					
Gypsum & all other	20,632	17,612	18,418	29,468	32,727
Total Fertilizer	1,732,020	1,858,571	1,893,129	2,027,390	1,870,548
Primary Nutrients					
N	443,129	462,321	443,250	488,700	443,941
Available P ₂ O ₅	166,007	183,746	187,755	206,995	188,043
K ₂ O	236,908	260,651	256,073	281,108	268,190

1/ Figures furnished by Agricultural Experiment Station, University of Missouri-Columbia. Data also supplied by the Association of American Plant Food Control Officials. Fertilizer based on consumption for fiscal year ending June 30 of year shown.



Corn, Cotton, and Sorghum
Percent of Area Receiving Applications and Total Applied, Missouri 2003

Planted Acreage	Herbicide		Insecticide ^{1/}		Other ^{1/}	
-1,000 acres-	-percent-	-1,000 lbs.-	-percent-	-1,000 lbs.-	-percent-	-1,000 lbs.-
Corn						
2,900	98	7,733	33	139	0	0
Cotton						
400	96	636	74	146	95	822
Sorghum						
215	98	571	6	4	0	0

^{1/} Total Applied excludes Bt's (Bacillus thuringiensis) and other biologicals. Quantities are not available because amounts of active ingredient are not comparable between products.

Corn, Cotton, and Sorghum
Fertilizer Primary Nutrient Applications, Missouri, 2003

Primary Nutrient	Planted Acreage	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	-1,000 acres-	-percent-	-number-	-pounds per acre-	-pounds per acre-	-million pounds-
Corn	2,900					
Nitrogen		99	1.5	112	169	482.2
Phosphate		91	1.0	60	62	162.0
Potash		88	1.0	80	82	210.7
Cotton	400					
Nitrogen		100	1.3	64	89	35.5
Phosphate		73	1.0	38	40	11.6
Potash		81	1.0	75	80	26.2
Sorghum	215					
Nitrogen		100	1.2	92	117	25.0
Phosphate		75	1.0	55	56	9.1
Potash		72	1.0	69	70	10.8

Pest Management Practices,
Percent of Acres Receiving Practice, Missouri 2003

	Corn	Cotton	Sorghum
		-1,000 acres-	
Planted Acreage	2,900	400	215
		-percent of acres-	
Prevention Practices			
No-till/minimum till to manage pests	36	48	25
Remove or plow down crop residue	18	22	12
Field cultivated for weed control	17	32	18
Field edges/etc. chopped, mowed/etc.	48	32	35
Avoidance Practices			
Adjust planting/harvesting dates	5	1	7
Rotate crops to control pests	65	6	57
Seed variety chosen for pest resistance	37	32	21
Monitoring Practices			
Scouting by general observation	40	7	53
Deliberate scouting activities	48	83	26
Scouted for insects and mites	79	89	62
Scouted for weeds	87	77	78
Field was not scouted	12	10	21
Suppression Practices			
Biological pesticides	11	17	*
Maintain ground cover or physical barriers	21	7	16
Adjust planting methods	6	2	10
Alternate pesticides with different MOA	18	13	11

* Less than 0.5 percent.



2000 Missouri Nursery Survey

The estimated value of gross receipts of Missouri's nursery industry in 2000 was nearly \$250 million. The estimated value of all land, buildings, and equipment to the nursery industry totaled nearly \$243.9 million, nearly 98 percent of the gross receipts, averaging \$237,700 per operation.

Nursery gross receipts from wholesale and retail plant sales during 2000, were valued at \$162 million (two-thirds of the total) and were the largest receipts generating enterprises. Retail sales accounted for \$114 million. Receipts from landscape services, both installation and maintenance, accounted for \$70 million of the total.

The St. Louis region generated 42 percent of the total gross receipts while 29 percent of total gross receipts came from the Kansas City region with the remaining 29 percent coming from all other counties.

The total acreage of nursery operation in the state is estimated at nearly 8,150 acres with slightly more than 6,800 acres under production.

In 2000, 6,089,000 square feet of greenhouse, polyhouse, and other covered space were used for nursery production. More than 72 percent of this area consisted of film plastic greenhouses, hoop houses, and single or multilayer houses.

The nursery industry employed a workforce of nearly 9,000 people with a payroll of approximately \$75.8 million.

Gross receipts from sales of plant materials were nearly \$222.3 million. Nursery container stock was the largest cash receipt enterprise, accounting for \$76.0 million (34.2%). Receipts from balled and burlap sales were second at \$43.6 million (19.6%), while sales of herbaceous annuals accounted for \$40.5 million (18.2%).

Of the \$222.3 million of nursery products sold, plants grown entirely by Missouri operations accounted for \$91.6 million or 41.2 percent of the total value.

Nursery products shipped within the state were estimated to be 66.1 percent of total plant shipments. Central States accounted for nearly 14 percent of the total shipments.

The data for the characteristics of the operations represents only the usable responses for each item of interest. There was no allowance made for those not responding to a specific question. Highlights are:

- *Sixty-two percent of all operations have access to the Internet.
- *Nearly 70 percent of the operations would use on-line registration with the Department of Agriculture, if available.
- *The number one use of the Internet was as a source of information.
- *Nearly 65 percent of all operations were not aware of the Japanese Beetle Harmonization Plan.
- *Nearly 23 percent of the operations are members of their local or state nursery association.
- *Nursery inspectors and magazines are the main sources of pest management information.

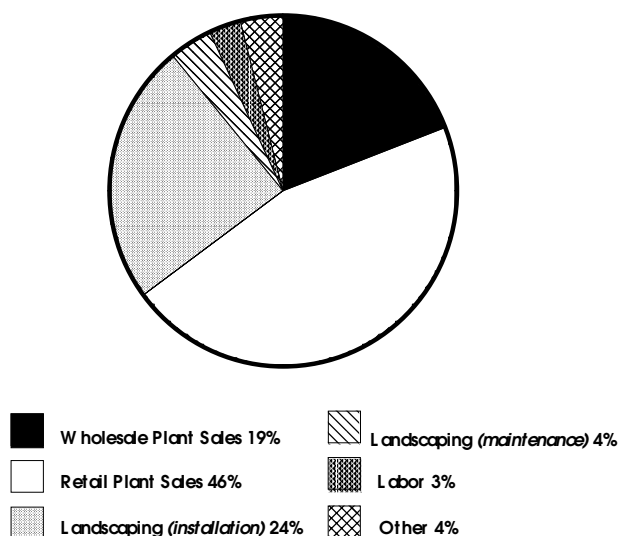
Total Cash Receipts 2000

Item	Thousands
Labor	\$6,743
Landscaping (<i>maintenance</i>)	\$10,738
Other	\$10,738
Wholesale Plant Sales	\$47,948
Landscaping (<i>installation</i>)	\$59,935
Retail Plant Sales	\$113,626
Total	\$249,728

Type of Plant Materials Sold and Cash Receipts 2000

Plant Material	Thousands	Percent
Nursery Container	\$76,012	34.2
Balled and Burlap	\$43,562	19.6
Herbaceous Annuals	\$40,451	18.2
Herbaceous Perennials	\$33,116	14.9
Bare Root	\$19,781	8.9
Other Plant Material	\$9,335	4.2
Total	\$222,257	100.0

Cash Receipts



**Source of Plant Materials Sold and Cash Receipts 2000**

Source of Plant Material	<i>thousands</i>
Purchased unfinished products from Missouri nursery	\$12,002
Purchased unfinished products from out of state nursery	\$29,782
Purchased finished products from Missouri nursery	\$43,562
Purchased finished products from out of state nursery	\$45,341
Grown entirely and sold by the same Missouri operation	\$91,570
Total	\$222,257

Acreage Under Production by Plant Material

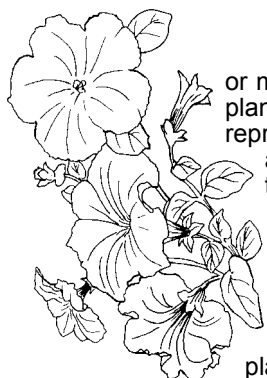
Plant Material	Acres	Percent
Balled & Burlap	4,960	72.2
Bare Root	1,039	15.1
Nursery Container	256	3.7
Herbaceous Perennial	189	2.8
Herbaceous Annuals	81	1.2
Other Plant Material	341	5.0
Total	6,866	100.0

Total Covered Space

Type	Square Feet <i>thousands</i>
Film Plastic Greenhouse, etc	4,434
Rigid Plastic Greenhouse	398
Glass Greenhouse	591
Shade House	409
Other Types	257
Total	6,089



Floriculture



Sales represent both retail and wholesale quantities sold in the calendar year shown. Flowers, plants, or materials purchased from others for immediate resale are excluded. Potted flowering plants and foliage plants purchased, but held less than four weeks are excluded. All data for foliage and potted flowering plants represent only those grown for indoor or patio use. Value data for cut flower, total foliage for indoor or patio use, and potted flowering crops are on a "gross wholesale" basis, before deductions for sales commissions or transportation costs. Value of sales at wholesale is an equivalent value calculated by applying the average wholesale price to total units sold.

The 2003 wholesale value of all sales in Missouri for commercial growers with \$10,000 or more of gross sales for the selected floriculture crops surveyed totaled \$44.6 million, down almost 12 percent from 2002. Operations with \$100,000 or more in gross sales reported sales of potted flowering plants at \$9.9 million, which were also down almost 12 percent from the previous year's total. Sales of bedding and garden plants, at \$24.2 million, were down 9 percent from 2002.

Item	Missouri				
	1999	2000	2001 ^{1/}	2002 ^{1/}	2003
All growers with gross sales over \$10,000					
Number of growers	201	206	209	262	236
Total greenhouse cover (1,000 sq. ft.)	6,507	6,563	6,712	6,819	6,283
Expanded wholesale value (1,000 dollars)	41,604	46,426	47,404	50,597	44,606
Wholesale value of all sales of Commercial growers with gross sales over \$100,000					
	<i>-thousand dollars-</i>				
Total potted flowering plants	11,711	13,614	10,985	11,178	9,940
Chrysanthemums	2,332	2,294	1,783	1,834	1,745
Azaleas	775	790	336	371	290
Easter Lilies	684	750	741	618	2/
Poinsettias	3,570	4,270	3,238	3,237	2,892
Potted Roses	5/	1,310	1,055	2/	2/
Other potted flowering plants	3,639	3,200	3,832	1,884	1,810
Total foliar ^{3/}	2,192	3,783	3,819	3,384	3,421
Total bedding/garden plants ^{4/}	20,085	21,232	25,071	26,665	24,217
Herbaceous Perennials	5/	3,133	7,870	8,192	4,154
Potted hardy/garden Chrysanthemums	1,452	1,868	2,192	2,074	2,061
Potted Hosta	5/	182	242	376	341
Other Potted Herbaceous Perennials	5/	1,083	5,436	5,742	1,752
Begonias (flats)	5/	190	275	559	635
Geraniums, from seed and cuttings (flats)	268	275	258	214	397
Bedding Impatiens, including New Guinea (flats)	1,519	1,533	1,646	1,539	1,587
Marigolds (flats)	5/	126	146	452	381
Pansy/Viola (flats)	5/	175	347	348	588
Bedding Petunias (flats)	1,005	1,150	1,014	1,146	1,151
Other flowering and foliar type (flats)	5,874	5,100	4,803	5,897	5,676
Vegetable type (flats)	1,250	1,183	1,176	1,039	1,208
Potted Geraniums (cuttings)	1,102	1,327	1,332	1,277	1,326
Potted Geraniums (seed)	252	342	297	360	251
Potted Impatiens, including New Guinea	342	415	392	474	337
Other potted flowering and foliar type	4,275	3,465	2,613	1,938	3,274
Potted vegetable type	56	62	65	58	70
Geranium hanging baskets, from seed and cuttings	386	392	390	419	366
Impatiens hanging baskets	129	143	133	186	145
New Guinea Impatiens hanging baskets	590	590	568	599	591
Petunia hanging baskets	172	206	214	254	294
Other Flowering hanging baskets	1,797	1,425	1,528	1,379	1,395
Grand Total wholesale value of reported crops	34,418	38,629	39,875	41,227	37,578

1/ Data Revised.

2/ Included in other potted flowering plants.

3/ Net Value of sales prior to 2000; Gross value in 2000.

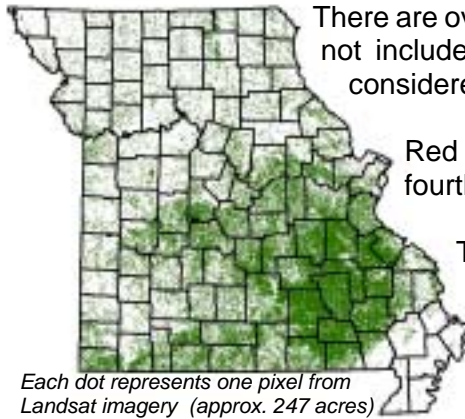
4/ Includes only annual bedding plants until 2000 when herbaceous perennials were added.

5/ Data series began in 2000; not available in previous years.



Missouri Forest Facts

Missouri has 14.5 million acres of forested land, nearly 32% of the total area of the state (44.1 million acres). Only about 17% of forested land is publically owned.



There are over 7 billion trees on timberland throughout Missouri (this does not include trees on pasture land, urban areas, and other areas not considered as forested) with a volume of about 14 billion cubic feet.

Red and white oaks, the hickories and elms make up nearly three-fourths of Missouri's total forests.

The biomass (above ground volume of all live trees, including bark and foliage) of Missouri's trees is over 850 million tons. Most of that volume is in the 7 to 12 inch diameter size classes.



Missouri is home to over 450 primary wood products producers; saw mills, charcoal mills, cooperage mills, and many others. Another 700 or so secondary mills produce furniture, bowls, and other consumer products.

Missouri's wood-using mills process about 140 million cubic feet of wood per year. Most of the wood came from Missouri's forests, with only 6% coming from other states.

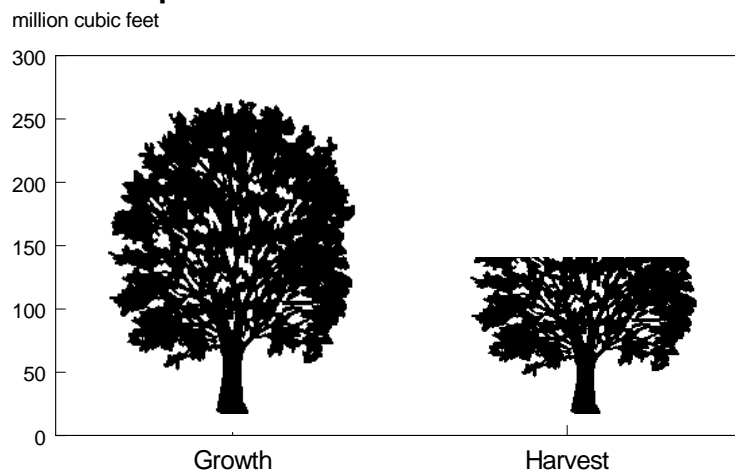
Almost all of the harvest went as saw logs, with charcoal, bolts, pulpwood, and veneer logs making up only 10% of the total. The wood used by these producers is worth, conservatively, \$133 million per year using stumpage prices (the amount paid to landowners for the right to harvest the logs).

Over 5,000 Missourians are directly employed by primary wood producers, and another 8,000 or more loggers, drivers, and so on, indirectly owe their jobs to Missouri's mills. Thousands more work in secondary mills and other related industries. Together, these industries contribute over \$3 billion to Missouri's economy.

Missouri's forests are growing at a rate of greater than 267 million cubic feet per year, so the harvest of 140 million cubic feet is sustainable.

Missouri's mills produce over 2.1 million tons of "residues" a year. (Residues are the slabs, edging, sawdust, and bark left when all possible boards have been sawed out of a log). Over 40% of the residues are used to produce charcoal. Other uses include livestock bedding, mulch, and fuel. Only 13% of the residues go unused.

Comparison of Annual Growth and Harvest



Fruits

Production, Use and Value, Missouri, 1999-2003

Year	Bearing Acreage	Yield per Acre	Total Production	Utilized Production	Season Average Price	Value of Utilized Production
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Apples

	-acres-	-pounds-	-million pounds-		-cents per lb.-	-thous. dol.-
1999	3,800	12,900	49.0	46.0	17.5	8,033
2000	3,800	10,000	38.0	34.0	16.9	5,736
2001	3,800	10,800	41.0	41.0	17.1	7,017
2002	3,900	9,740	38.0	36.0	17.8	6,396
2003	3,900	10,300	40.0	40.0	20.8	8,310

Grapes

	-acres-	-tons-	-tons-		-dollars per ton-	-thous. dol.-
1999	800	3.50	2,800	2,800	584	1,635
2000	850	3.47	2,950	2,950	555	1,636
2001	870	2.64	2,300	2,300	630	1,448
2002	900	3.67	3,300	3,300	613	2,023
2003	960	3.16	3,030	3,030	610	1,849

Peaches

	-acres-	-pounds-	-million pounds-		-cents per lb.-	-thous. dol.-
1999	1,600	6,560	10.5	10.5	41.7	4,379
2000	1,600	5,940	9.5	9.5	35.0	3,325
2001	1,600	5,630	9.0	9.0	36.5	3,285
2002	1,800	4,440	8.0	8.0	42.0	3,360
2003	1,600	6,250	10.0	10.0	43.0	4,300

Watermelons

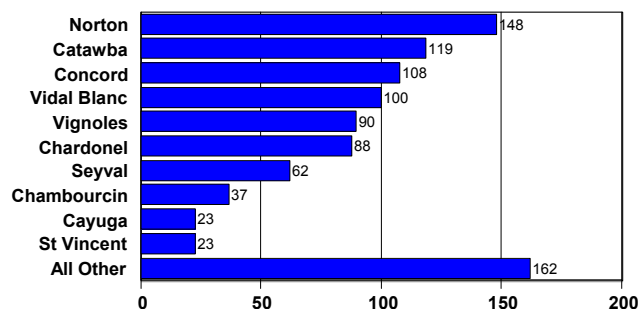
Acreage, Yield, Production, Price and Value, Missouri, 1999-2003

Year	Planted	Harvested	Yield	Production	Price	Value
	-acres-		-cwt.-	-thous. cwt.-	-dollars per cwt.-	-thous. dol.-
1999	5,900	5,300	240	1,272	3.50	4,452
2000	6,000	5,800	210	1,218	3.65	4,446
2001	5,500	5,000	230	1,150	4.25	4,888
2002	5,300	5,100	260	1,326	5.80	7,691
2003	5,100	4,700	295	1,387	5.50	7,629

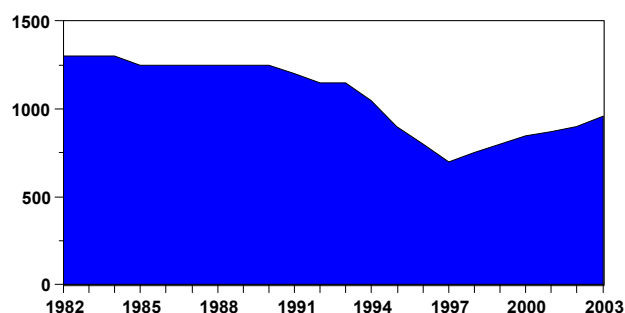
2003 Grape Survey

Grape and wine production in Missouri dates back to the mid 1800's with wine production currently accounting for most of the grape crop utilization. Grape acreage has not returned to the levels of the past but has recovered to 960 bearing acres, up from 800 in 1999. Non-bearing acreage is estimated at 120 acres, lifting total grape acreage in Missouri to 1,080 acres. The utilization of Missouri grape production has shifted significantly since the 1984 survey. Over 96 percent of the 2003 production was used in wine production whereas 1984 indicated 60 percent was processed into juice and other grape products.

2003 Grape Acreage Bearing Acres by Variety



Bearing Acreage Missouri, 1987-2003





2001 Vegetable Production Grosses \$32 Million

Missouri vegetable sales amounted to over 32 million dollars during 2001. The sales value was reported by commercial producers who participated in a survey conducted by the Missouri Agricultural Statistics Service and the University of Missouri. Home garden production for private use was excluded from the survey and no allowance for incompleteness was made for growers who did not participate. Acres reported in commercial vegetable production totaled 35,650, therefore averaging about \$900 sales value per acre. Approximately 65 percent of the vegetable acreage was irrigated. Eighteen percent of the growers reported producing some of their vegetables using organic practices on 234 acres.

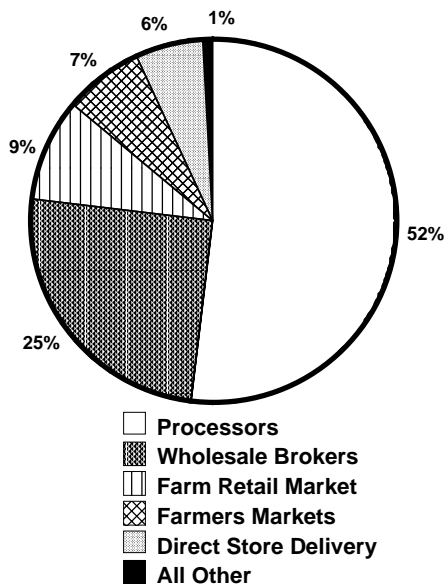
The largest vegetable planted acreages reported in the survey included cucumbers, 8,954 acres; potatoes, 6,200 acres;

watermelons, 5,500 acres; snapbeans, 4,905 acres; southern peas, 4,497 acres; pumpkins, 1,457 acres; sweet corn, 1,371 acres, and cantaloupe, 946 acres. Crops grown on area between 200 and 300 acres statewide include lima beans and summer squash.

Tomatoes, cabbage, winter squash and gourds were each grown on between 100 and 200 acres.

Included in the 50 to 99 acre size are sweet potatoes, turnips and onions. Greens, bell peppers and asparagus fall in the 25 to 49 acre group. Other vegetables reported in the survey, but with less than 25 acres each include the following: eggplant, hot peppers, okra, beets, ornamental corn, peas (*shell and snow*), cauliflower, broccoli, kale, leaf lettuce, leeks, collards, green onions, kohlarabi, garlic, carrots, radishes, horseradish, brussel sprouts and shallots.

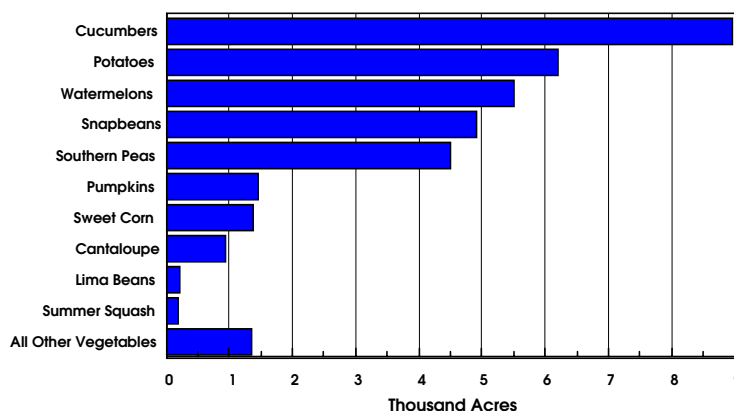
**Type of Marketing,
Percent by Sales Value**



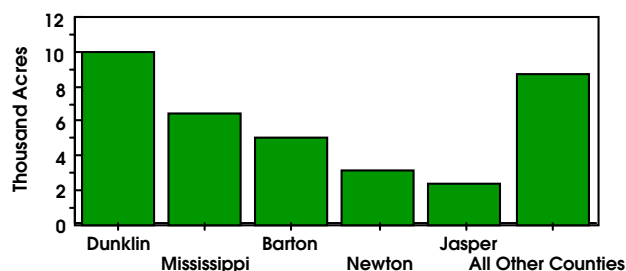
About 52 percent of the vegetable production, by value, was sold direct to processors, which involved primarily potatoes, cucumbers and snapbeans. Other leading methods of marketing included wholesale brokers, 25 percent; farm retail market, 9 percent (*includes roadside stands and direct to consumer in addition to all retailing at the farm including pick-your-own*); farmers markets, 7 percent; and direct store delivery, 6 percent. Other types of marketing such as direct to restaurants, peddlers, etc. accounted for less than 1 percent.

Dunklin County was the largest vegetable-producing

10 Leading Vegetable Crops in Missouri in 2001



5 Leading Vegetable Counties in Missouri, 2001



county by area with 9,995 acres in the survey, followed by Mississippi with 6,442 acres. Other leading counties were: Barton, 5,017 acres, Newton, 3,117 acres, and Jasper, 2,337 acres.

The 426 respondents in the survey who had vegetable production in 2001 averaged 52.7 years of age and had 14 years of experience producing vegetables.



LIVESTOCK

2003 Missouri Livestock Summary

GENERAL: Several factors have influenced the type of livestock production currently practiced in Missouri. Climate, soil types and terrain, location, availability of markets, and its people have all contributed to animal agriculture in the state. The climate of Missouri is such that livestock are not subjected to the higher temperatures of the more southerly states and the disease and pest problems associated with them. Yet it is not so far north as to require livestock to endure extremely harsh winters. Pastures receive more rainfall than in the arid southwestern states but not as much as the humid northwestern or southeastern United States. The climate also contributes to the long growing season for native grasses and improved pasture. The northern and southeastern fertile cropland portions of the state provide feed grains while the hilly Ozark Plateau is suitable only for animal agriculture. Being near the geographical and population centers of the contiguous United States allows Missouri to export animals easily for further feeding, processing, or consumption.

CASH RECEIPTS: Total cash receipts for 2003 Missouri livestock and products were 2.63 billion dollars, up 15 percent from 2002. Meat animals accounted for 58.5 percent of total receipts, poultry/eggs 31.3 percent, and dairy products 8.9 percent. Specialty livestock farms accounted for the remaining 1.3 percent.

CATTLE: The inventory of all cattle and calves on Missouri farms on January 1, 2004 totaled 4.35 million head, a decrease of 3 percent from the 4.50 million head on hand a year earlier. There were 2.25 million head of cows and heifers that had calved in Missouri, the same as the previous year. Beef cows totaled 2.13 million head, up slightly from the 2.12 million head on hand January 1, 2003. Milk cows decreased 7 percent to 125,000 head from 134,000 head a year earlier. Missouri's 2003 calf crop totaled 2.08 million head, down slightly from the previous year. The number of operations with cattle declined 4 percent to 65,000 operations for 2003 compared with 68,000 operations a year earlier.

MILK PRODUCTION: Missouri milk production during 2003 totaled 1.89 billion pounds, a 3 percent decrease from the

1.95 billion pounds produced during 2002. The average number of milk cows on hand during the year decreased 5.8 percent to 129,000 head from 137,000 head a year earlier. Milk production per cow increased 3 percent from 14,204 pounds per cow in 2002 to 14,620 pounds per cow in 2003. The number of operations with milk cows decreased 9 percent from 3,400 operations in 2002 to 3,100 operations in 2003.

MANUFACTURED DAIRY PRODUCTS: Total ice cream production totaled 45.1 million gallons, 17 percent above the 2003 production of 38.6 million gallons. Total cheese production (excluding cottage cheese) totaled 97.4 million pounds, down 1 percent from 2002's 98.5 million pounds.

HOGS: The December 1, 2003 inventory of Missouri hogs and pigs stayed the same as the previous year with 2.95 million head. There were 685,000 sows farrowed during 2003, a decrease of under 1 percent from the 690,000 farrowed in 2002. The pig crop for 2003 totaled 6.1 million pigs, down from the 6.22 million pigs born in 2002. Pigs saved per litter averaged 8.91 pigs in 2003 compared with 9.02 pigs a year earlier. The number of hog operations in Missouri decreased 10 percent from 3,000 operations in 2002 to 2,700 operations in 2003.

SHEEP: Missouri's sheep and lambs totaled 60,000 head on January 1, 2004. This was down 10 percent from the 67,000 head on hand a year earlier. Breeding sheep and lambs accounted for 54,000 head, down 6,000 from January 1, 2003. Sheep and lambs for market totaled 6,000 head, down 1,000 head from a year earlier. Missouri's 2003 lamb crop totaled 55,000 head, down 8 percent from 2002's 60,000 head. The number of operations with sheep in Missouri during 2003 increased 6 percent to 1,800 operations from 1,700 operations during 2002.

CHICKENS AND EGGS: The number of all chickens (excluding commercial broilers) on hand December 1, 2003 in Missouri totaled 8.28 million, down 3 percent from the 8.56 million on hand a year earlier. The average number of layers during 2003 was 6.5 million, down 4 percent from the 6.76 million averaged during 2002. The average number of eggs per layer increased 5 percent from 272 eggs during 2002 to 286 eggs in 2003. Total egg production in Missouri increased 1 percent to 1.86 billion eggs.

TURKEYS: There were 26.50 million turkeys raised in Missouri during 2003, up 4 percent from the 25.5 million raised in 2002. The average price per pound decreased to 35 cents per pound from 36 cents per pound a year earlier. The value of production for 2003 was 285.7 million dollars, up 1 percent from the 2002 value of production of 281.8 million dollars.



Livestock Records for Missouri

Item of Livestock	Record High		Record Low		Date Series Began
	Head	Year ^{1/}	Head	Year ^{1/}	

CATTLE

All Cattle Jan. 1	6,800,000	1975	1,134,000	1867	1867
Beef Cows Jan. 1	2,759,000	1975	280,000	1912	1900
Milk Cows Jan. 1	1,115,000	1945	125,000	2004	1867
Cattle on Feed Jan. 1	442,000	1969	65,000	2004	1950
Calf Crop	2,840,000	1974	908,000	1927	1924

MILK

Milk Production ^{2/} (annual)	4,600,000,000	1954	1,886,000,000	2003	1924
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HOGS

Inventory Dec. 1	5,405,000	1944	2,400,000	1935	1867
Pig Crop					
Spring	4,037,000	1943	1,479,000	2003	1924
Fall	4,352,000	1970	1,123,000	1934	1924

SHEEP

Inventory Jan. 1	1,780,000	1943	60,000	2004	1867
Lamb Crop	1,298,000	1942	55,000	2001	1924
Wool Production ^{2/} (annual)	11,052,000	1942	370,000	2003	1909

LAYERS AND EGG PRODUCTION

Inventory Dec. 1 ^{3/}	23,724,000	1925	6,500,000	2003	1924
Egg Production ^{4/} (annual)	3,052,000,000	1944	1,149,000,000	1974	1925

OTHER POULTRY

Broilers Produced	255,000,000	1998	1,200,000	1934	1934
Turkeys Raised	26,500,000	2003	255,000	1930	1929

^{1/} These are the latest years that records were achieved. In some cases, these records were equaled in earlier years.

^{2/} Production in pounds.

^{3/} Layers 20 weeks old and older.

^{4/} Production in eggs.

Bold indicates new record.



Livestock on Farms
Number and Value, by Species, Missouri, January 1, 2000-2004

Year	All Cattle and Calves			All Hogs and Pigs ^{1/}			All Sheep and Lambs		
	Number	Value per Head	Total Value	Number	Value per Head	Total Value	Number	Value per Head	Total Value
	<i>-thous. hd.-</i>	<i>-dol.-</i>	<i>-thous. dol.-</i>	<i>thous. hd.-</i>	<i>-dol.-</i>	<i>-thous. dol.-</i>	<i>-thous. hd.-</i>	<i>-dol.-</i>	<i>-thous. dol.-</i>
2000	4,350	620	2,697,000	3,150	64	201,600	80	94	7,520
2001	4,250	680	2,890,000	2,900	67	194,300	73	110	8,030
2002	4,350	680	2,958,000	2,950	68	200,600	70	110	7,700
2003	4,500	670	3,015,000	2,950	61	179,950	70	110	7,700
2004	4,350	770	3,349,500	2,950	57	168,150	60	129	7,740

1/ December 1 preceding year.

Number of Livestock Operations
by Species, Missouri, 1999-2003 ^{1/}

Year	Operations with				
	Cattle	Beef Cows	Milk Cows	Hogs	Sheep
			<i>-number-</i>		
1999	69,000	59,000	4,100	4,000	2,100
2000	68,000	58,000	3,900	3,600	1,900
2001	67,000	57,000	3,700	3,300	1,700
2002	68,000	58,000	3,400	3,000	1,700
2003	65,000	56,000	3,100	2,700	1,800

1/ One or more head on hand at any time during year.

**Cattle and Calves**

Number on Farms, by Class, Missouri, January 1, 2000-2004

Class	2000	2001	2002	2003	2004
<i>-thousand head-</i>					
All Cattle & Calves	4,350	4,250	4,350	4,500	4,350
All Cows That Have Calved	2,220	2,220	2,200	2,250	2,250
Beef Cows	2,062	2,070	2,060	2,116	2,125
Milk Cows	158	150	140	134	125
Heifers-500 Pounds & Over	580	590	630	680	610
Beef Cow Replacements	250	285	280	305	280
Milk Cow Replacements	70	65	60	55	60
Other	260	240	290	320	270
Steers- 500 Pounds & Over	450	400	480	485	440
Bulls- 500 Pounds & Over	120	120	120	125	120
Calves Under 500 Pounds	980	920	920	960	930
Cattle and Calves on Feed ^{1/}	100	85	70	70	65

^{1/} Also included in the classes above.**Cattle and Calves**Inventory, Supply, and Disposition, Missouri, 1999-2003 ^{1/}

Year	On Hand January 1		Calves Born	Inshipments	Marketings ^{2/}		Farm Slaughter Cattle & Calves	Deaths	
	All Cattle & Calves	All Cows That Have Calved			Cattle	Calves		Cattle	Calves
-thousand head-									
1999	4,400	2,230	2,070	40	950	1,008	7	70	125
2000	4,350	2,220	2,060	40	965	1,038	7	65	125
2001	4,250	2,220	2,060	40	790	1,000	5	70	135
2002	4,350	2,200	2,090	36	827	939	5	75	130
2003	4,500	2,250	2,080	40	969	1,101	5	70	125

^{1/} Total marketings, farm slaughter, deaths, and on-hand at end of year equals total calf crop, inshipments and on-hand beginning of year.^{2/} Excludes inter-farm sales within the state.**Cattle and Calves**

Production and Income, Missouri, 1999-2003

Year	Production	Marketings	Price per 100 lbs.		Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
			Cattle	Calves				
-thousand pounds-			-dollars-		-thousand dollars-			
1999	1,152,178	1,204,070	65.60	85.10	834,152	870,380	26,083	896,463
2000	1,187,853	1,229,270	76.00	102.00	1,003,986	1,044,789	30,982	1,075,771
2001	1,186,399	1,085,775	76.20	99.50	997,102	926,287	29,630	955,917
2002	1,186,349	1,059,760	69.40	92.30	909,313	821,394	27,517	848,911
2003	1,154,676	1,258,540	77.00	101.00	991,244	1,077,316	29,510	1,106,826



Cattle County Estimates

Beef Cows, Milk Cows, and All Cattle and Calves, By Counties, Missouri, January 1, 2003-2004

County	Beef Cows		Milk Cows		All Cattle and Calves		Value of All Cattle	
	2003 ^{2/}	2004	2003 ^{2/}	2004	2003 ^{2/}	2004	2003 ^{2/}	2004
	<i>- head -</i>		<i>- head -</i>		<i>- head -</i>		<i>- thous. dollars -</i>	
Andrew	10,400	10,500	1,300	1,200	23,500	23,000	15,745	17,710
Atchison	7,500	7,500	*	*	16,500	16,000	11,055	12,320
Buchanan	9,500	9,600	500	450	19,000	18,000	12,730	13,860
Caldwell	16,500	17,000	150	150	30,000	29,500	20,100	22,715
Clay	9,000	9,200	50	50	27,000	24,800	18,090	19,096
Clinton	16,500	17,000	500	450	35,500	34,000	23,785	26,180
Davies	15,800	16,000	400	350	33,500	32,500	22,445	25,025
DeKalb	16,300	16,500	1,000	900	34,500	33,700	23,115	25,949
Gentry	18,200	18,800	150	150	38,000	36,500	25,460	28,105
Harrison	27,000	27,200	400	350	52,000	50,500	34,840	38,885
Holt	5,800	6,000	*	*	8,000	7,500	5,360	5,775
Nodaway	36,500	37,000	350	300	60,000	59,000	40,200	45,430
Platte	8,000	8,200	*	*	20,500	20,000	13,735	15,400
Ray	17,000	17,500	100	100	36,000	34,500	24,120	26,565
Worth	12,000	12,000	100	50	21,000	20,500	14,070	15,785
Northwest	226,000	230,000	5,000	4,500	455,000	440,000	304,850	338,800
Adair	19,000	19,500	300	250	33,000	31,500	22,110	24,255
Carroll	15,000	15,500	450	400	43,000	41,500	28,810	31,955
Chariton	18,500	19,000	250	250	42,000	40,500	28,140	31,185
Grundy	11,500	12,000	400	450	22,000	21,500	14,740	16,555
Linn	28,000	28,800	650	800	56,000	54,500	37,520	41,965
Livingston	11,000	11,500	150	150	23,000	21,500	15,410	16,555
Macon	27,500	28,000	350	300	50,000	48,500	33,500	37,345
Mercer	15,800	16,200	50	50	27,000	26,500	18,090	20,405
Putnam	21,500	22,000	300	250	53,000	50,500	35,510	38,885
Randolph	14,900	15,500	200	200	30,000	28,500	20,100	21,945
Schuyler	14,300	15,000	250	250	24,000	22,500	16,080	17,325
Sullivan	31,000	32,000	150	150	64,000	62,500	42,880	48,125
North Central	228,000	235,000	3,500	3,500	467,000	450,000	312,890	346,500
Audrain	13,500	13,000	1/	1/	47,000	45,500	31,490	35,035
Clark	10,600	10,200	100	50	27,500	26,500	18,425	20,405
Knox	12,000	11,500	1/	1/	27,500	26,500	18,425	20,405
Lewis	11,000	10,500	1/	1/	29,000	28,500	19,430	21,945
Marion	10,500	10,500	650	600	23,500	23,000	15,745	17,710
Monroe	18,500	18,500	500	450	38,500	37,500	25,795	28,875
Pike	16,500	15,500	200	150	43,000	40,500	28,810	31,185
Ralls	9,600	9,000	100	50	20,500	20,000	13,735	15,400
Scotland	9,800	9,500	1,200	1,200	25,500	24,500	17,085	18,865
Shelby	12,000	11,800	50	50	28,000	27,500	18,760	21,175
Combined Counties			6,200	6,450				
Northeast	124,000	120,000	9,000	9,000	310,000	300,000	207,700	231,000
Bates	38,000	39,000	1,100	1,000	82,000	80,500	54,940	61,985
Cass	25,700	26,500	750	700	52,000	49,000	34,840	37,730
Cedar	27,300	28,000	1,000	850	53,500	50,500	35,845	38,885
Henry	32,000	32,500	800	700	64,000	62,500	42,880	48,125
Jackson	5,800	6,000	50	100	15,000	14,500	10,050	11,165
Johnson	37,500	39,000	1,000	1,000	76,500	75,000	51,255	57,750
Lafayette	17,000	18,000	850	800	40,500	39,000	27,135	30,030
St Clair	27,000	28,500	550	500	51,500	50,000	34,505	38,500
Vernon	30,700	32,500	400	350	60,000	59,000	40,200	45,430
West Central	241,000	250,000	6,500	6,000	495,000	480,000	331,650	369,600
Benton	21,000	21,500	1,000	950	42,000	41,000	28,140	31,570
Boone	19,000	19,000	350	300	32,000	31,000	21,440	23,870
Callaway	25,600	25,000	850	800	52,000	49,000	34,840	37,730
Camden	15,700	15,500	600	600	28,000	27,500	18,760	21,175
Cole	21,000	22,000	700	650	40,000	39,000	26,800	30,030
Cooper	21,500	22,500	650	700	47,000	46,000	31,490	35,420
Dallas	24,100	23,000	5,000	4,700	60,000	59,000	40,200	45,430
Hickory	16,500	16,000	1,800	1,700	35,000	34,000	23,450	26,180
Howard	15,100	15,000	300	300	32,000	30,500	21,440	23,485
Laclede	29,500	28,000	7,000	6,500	66,500	64,500	44,555	49,665
Maries	23,200	23,500	500	500	47,000	44,500	31,490	34,265
Miller	30,800	31,500	250	200	55,000	53,000	36,850	40,810
Moniteau	28,000	27,500	1,100	1,000	62,000	61,000	41,540	46,970



Cattle County Estimates

Beef Cows, Milk Cows, and All Cattle and Calves, By Counties, Missouri, January 1, 2003-2004

County	Beef Cows		Milk Cows		All Cattle and Calves		Value of All Cattle	
	2003 ^{2/}	2004	2003 ^{2/}	2004	2003 ^{2/}	2004	2003 ^{2/}	2004
	- head -		- head -		-head -		-thous. dollars-	
Morgan	22,000	22,500	1,500	1,450	50,000	48,000	33,500	36,960
Osage	32,000	33,000	800	800	69,000	68,000	46,230	52,360
Pettis	28,000	28,000	700	700	62,000	59,000	41,540	45,430
Phelps	18,200	18,500	350	300	31,000	30,500	20,770	23,485
Polk	51,500	52,000	6,300	5,650	107,500	104,000	72,025	80,080
Pulaski	13,300	12,500	100	100	27,000	26,000	18,090	20,020
Saline	14,000	13,500	150	100	35,000	34,500	23,450	26,565
Central	470,000	470,000	30,000	28,000	980,000	950,000	656,600	731,500
Crawford	14,800	15,000	200	100	30,000	28,800	20,100	22,176
Franklin	21,500	22,000	2,100	2,050	48,500	47,500	32,495	36,575
Gasconade	14,500	15,000	550	500	36,500	35,000	24,455	26,950
Jefferson	6,200	6,000	850	800	14,000	13,500	9,380	10,395
Lincoln	11,000	11,000	1,100	1,000	26,000	25,500	17,420	19,635
Montgomery	10,700	10,500	50	*	22,400	21,500	15,008	16,555
Perry	14,500	14,000	1,300	1,300	39,000	38,000	26,130	29,260
St Charles	4,000	4,000	850	800	9,000	8,500	6,030	6,545
Ste Genevieve	12,500	12,800	150	150	27,000	26,500	18,090	20,405
St Francois	12,500	13,000	150	150	22,100	21,800	14,807	16,786
St Louis	700	700	*	*	1,500	1,400	1,005	1,078
Warren	6,300	6,000	150	150	13,000	12,500	8,710	9,625
Washington	9,800	10,000	50	*	21,000	19,500	14,070	15,015
East Central	139,000	140,000	7,500	7,000	310,000	300,000	207,700	231,000
Barry	48,000	47,500	4,250	3,900	95,000	93,000	63,650	71,610
Barton	23,500	24,000	650	600	45,500	44,000	30,485	33,880
Christian	27,000	26,000	3,000	2,400	58,000	57,000	38,860	43,890
Dade	34,000	35,000	850	800	70,000	66,500	46,900	51,205
Greene	34,500	35,000	4,000	3,500	73,500	72,000	49,245	55,440
Jasper	27,500	26,500	1,750	1,600	62,000	59,500	41,540	45,815
Lawrence	45,500	45,000	7,250	6,800	97,500	96,000	65,325	73,920
McDonald	28,000	28,000	1,550	1,400	50,500	49,500	33,835	38,115
Newton	38,000	38,500	3,700	3,300	80,000	75,000	53,600	57,750
Stone	14,000	14,500	3,000	2,700	28,000	27,500	18,760	21,175
Southwest	320,000	320,000	30,000	27,000	660,000	640,000	442,200	492,800
Bollinger	19,000	19,000	150	150	34,000	32,000	22,780	24,640
Carter	5,300	5,000	50	50	11,000	10,500	7,370	8,085
Dent	20,000	20,000	100	100	36,000	35,000	24,120	26,950
Douglas	27,000	26,000	5,700	5,300	58,500	57,000	39,195	43,890
Howell	40,500	40,000	4,050	4,000	95,000	92,000	63,650	70,840
Iron	5,200	5,000	100	*	11,000	10,500	7,370	8,085
Madison	10,000	10,000	50	50	20,000	19,000	13,400	14,630
Oregon	25,000	25,000	1,100	1,000	51,000	49,000	34,170	37,730
Ozark	23,500	22,500	2,500	1,800	58,000	55,000	38,860	42,350
Reynolds	6,200	6,000	*	50	13,000	12,500	8,710	9,625
Ripley	11,500	11,000	*	*	19,500	19,000	13,065	14,630
Shannon	12,500	12,500	250	200	21,000	20,000	14,070	15,400
Taney	13,800	13,500	200	200	23,000	22,000	15,410	16,940
Texas	47,200	46,500	5,300	5,200	94,000	91,000	62,980	70,070
Wayne	7,300	7,000	50		14,500	14,000	9,715	10,780
Webster	27,000	25,500	8,400	8,400	90,500	84,500	60,635	65,065
Wright	27,000	25,500	12,000	11,500	80,000	77,000	53,600	59,290
South Central	328,000	320,000	40,000	38,000	730,000	700,000	489,100	539,000
Butler	6,000	5,900	50	50	9,000	9,000	6,030	6,930
Cape Girardeau	19,600	20,000	2,300	1,850	47,000	45,000	31,490	34,650
Dunklin	1,200	1,100	*	*	2,600	2,500	1,742	1,925
Mississippi	1,300	1,200	*	*	2,600	2,500	1,742	1,925
New Madrid	600	600	*	*	1,500	1,500	1,005	1,155
Pemiscot	300	300	*	*	500	500	335	385
Scott	4,000	3,900	50	50	9,800	9,500	6,566	7,315
Stoddard	7,000	7,000	100	50	20,000	19,500	13,400	15,015
Southeast	40,000	40,000	2,500	2,000	93,000	90,000	62,310	69,300
State	2,116,000	2,125,000	134,000	125,000	4,500,000	4,350,000	3,015,000	3,349,500

* Less than 50 head.

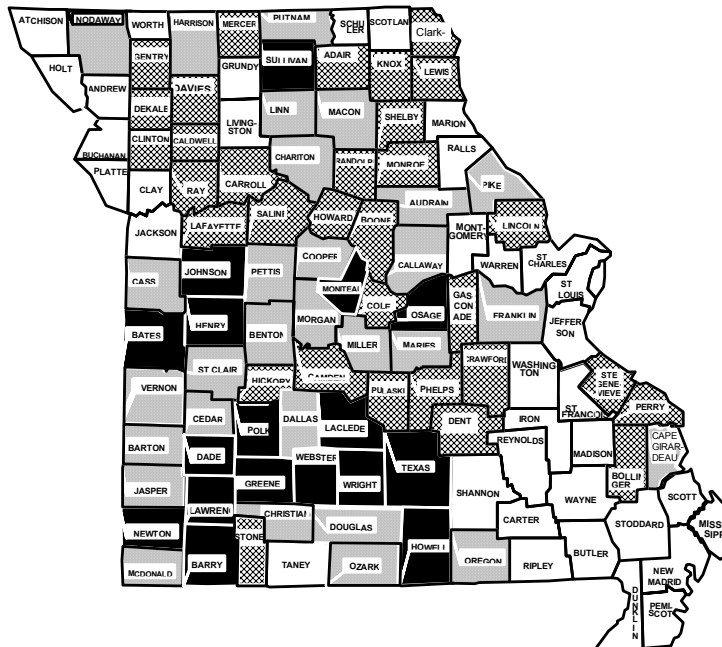
1/ Included in combined counties to avoid disclosure of individual operations.

2/ 2003 Revised.



All Cattle & Calves

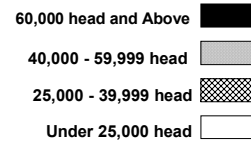
By County, January 1, 2004



Top Ten Counties

POLK	104,000 head
LAWRENCE	96,000 head
BARRY	93,000 head
HOWELL	92,000 head
TEXAS	91,000 head
WEBSTER	84,500 head
BATES	80,500 head
WRIGHT	77,000 head
NEWTON	75,000 head
JOHNSON	75,000 head

These top ten counties represent 20% of the State's cattle and calf numbers.



Number of Operations and Percent of Inventory, By Size Group, Missouri, 1999-2003

All Cattle

Year	1-49 Head		50-99 Head		100-499 Head		500-999 Head		1,000 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-number-	-percent-	-number-	-percent-	-number-	-percent-	-number-	-percent-	-number-	-percent-
1999	43,000	19.0	13,900	21.0	11,500	48.0	460	7.0	140	5.0
2000	42,000	19.0	13,900	22.0	11,500	47.0	460	7.0	140	5.0
2001	41,000	19.0	14,600	23.0	10,800	46.0	460	7.0	140	5.0
2002	42,000	19.0	14,500	22.0	10,800	46.0	580	8.5	120	4.5
2003	40,000	18.0	13,000	20.0	11,100	46.0	750	10.8	150	5.2

Beef Cows

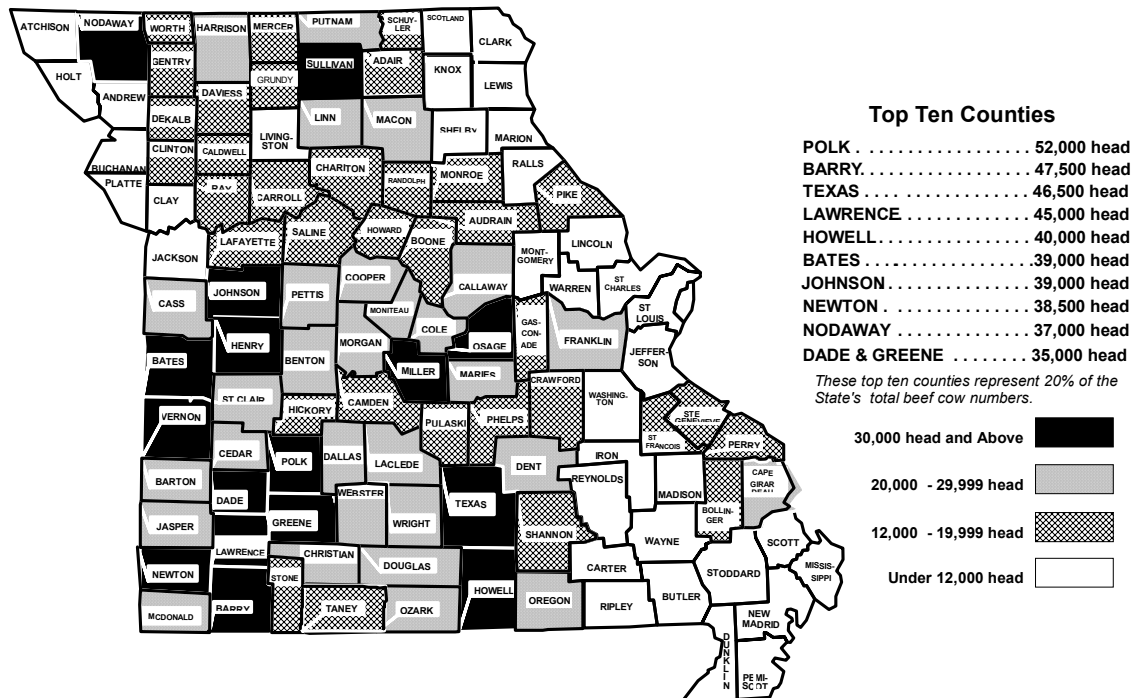
Year	1-49 Head		50-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-number-	-percent-	-number-	-percent-	-number-	-percent-	-number-	-percent-
1999	47,000	43.0	8,200	25.0	3,690	27.0	110	5.0
2000	46,000	43.0	8,300	26.0	3,600	27.0	100	4.0
2001	45,000	43.0	8,300	26.0	3,600	27.0	100	4.0
2002	46,000	42.0	8,200	26.0	3,700	28.0	100	4.0
2003	44,000	41.0	8,200	26.0	3,700	29.0	100	4.0

Milk Cows

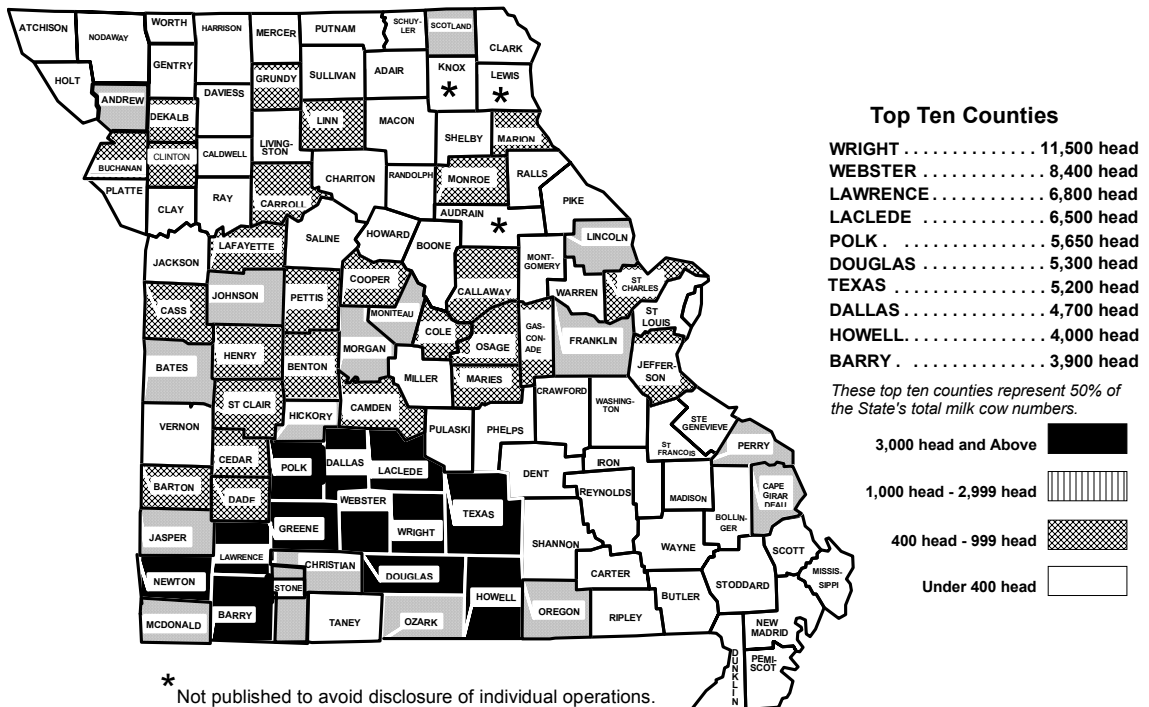
Year	1-29 Head		30-49 Head		50-99 Head		100-199 Head		200 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-number-	-percent-	-number-	-percent-	-number-	-percent-	-number-	-percent-	-number-	-percent-
1999	1,800	6.0	760	17.0	940	32.0	540	36.0	60	9.0
2000	1,700	5.2	740	17.0	900	31.0	510	36.0	50	10.8
2001	1,600	5.0	700	17.0	850	31.0	500	36.0	50	11.0
2002	1,500	4.5	600	16.0	800	32.0	450	35.0	50	12.5
2003	1,400	5.5	475	13.0	790	35.0	380	31.0	55	15.5



Beef Cow Numbers By County, January 1, 2004



Milk Cow Numbers By County, January 1, 2004





Milk Cows

Number on Farms, by Month, Missouri, 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-thousand head-</i>												
1999	164	162	161	160	160	159	157	157	157	158	158	158
2000	158	157	156	157	156	155	154	153	153	152	151	151
2001	149	148	148	148	148	148	146	144	142	141	141	141
2002	140	139	138	138	137	137	137	137	136	136	135	134
2003	134	133	131	130	130	130	129	128	127	126	125	124
2004	125	124	123	124	124	124	122					

Milk Production

Average per Milk Cow, by Month, Missouri, 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-pounds-</i>												
1999	1,230	1,140	1,310	1,290	1,300	1,140	1,080	1,000	1,030	1,130	1,180	1,200
2000	1,240	1,220	1,350	1,330	1,320	1,200	1,210	1,130	1,080	1,180	1,170	1,180
2001	1,150	1,070	1,200	1,265	1,255	1,140	1,055	975	985	1,085	1,080	1,145
2002	1,210	1,150	1,335	1,325	1,315	1,170	1,120	1,090	1,050	1,120	1,125	1,210
2003	1,240	1,150	1,340	1,325	1,345	1,220	1,150	1,125	1,090	1,200	1,190	1,250
2004	1,265	1,185	1,345	1,370	1,380	1,250	1,240					

Milk Production

Total Milk Produced, by Month, Missouri, 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-million pounds-</i>												
1999	202	185	211	206	208	181	170	157	162	179	186	190
2000	196	192	211	209	206	186	186	173	165	179	177	178
2001	171	158	178	187	186	169	154	140	140	153	152	161
2002	169	160	184	183	180	160	153	148	143	152	152	162
2003	166	153	176	172	175	159	148	144	138	151	149	155
2004	158	147	165	170	171	155	151					

Milk Cows and Production of Milk and Milkfat

Annual Average, Missouri, 1999-2003

Annual Average, thousand, 1999-2000						
Year	Milk Cows	Per Milk Cow		Milkfat Test	Total	
		Milk	Milkfat		Milk	Milkfat
	-thousand head-		-pounds-			-million pounds-
1999	159	14,069	512	3.64	2,237	81
2000	154	14,662	542	3.70	2,258	84
2001	145	13,441	496	3.69	1,949	72
2002	137	14,204	523	3.68	1,946	72
2003	129	14,620	535	3.66	1,886	69



**Milk Disposition
Income And Value, Missouri, 1999-2003**

Year	Milk Used Where Produced		Milk Marketed by Producers			Gross Producer Income	Value of Milk Produced
	Used For Milk, Cream, & Butter	Fed to Calves	Milk Marketed	Price per Cwt.	Cash Receipts		
	<i>-million pounds-</i>		<i>-million pounds-</i>	<i>-dollars-</i>	<i>-thousand dollars-</i>	<i>-thousand dollars-</i>	
1999	5	26	2,206	14.70	324,282	325,017	328,839
2000	5	24	2,229	12.10	269,709	270,314	273,218
2001	5	23	1,921	14.90	286,229	286,974	290,401
2002	5	22	1,919	12.30	236,037	236,652	239,358
2003	5	21	1,860	12.60	234,360	234,990	237,636

**Manufactured Dairy Products
Quantity by Type, Missouri, 1999-2003**

Year	Total Cheese ^{1/}	Cottage Cheese Curd	Ice Cream ^{2/}	
			Regular	Low Fat
	<i>-thousand pounds-</i>		<i>-thousand gallons-</i>	
1999	154,293	11,034	18,339	15,125
2000	123,115	3/	21,849	17,071
2001	99,104	10,747	20,369	17,503
2002	98,521	10,471	22,116	16,474
2003	97,400	10,214	25,013	20,070

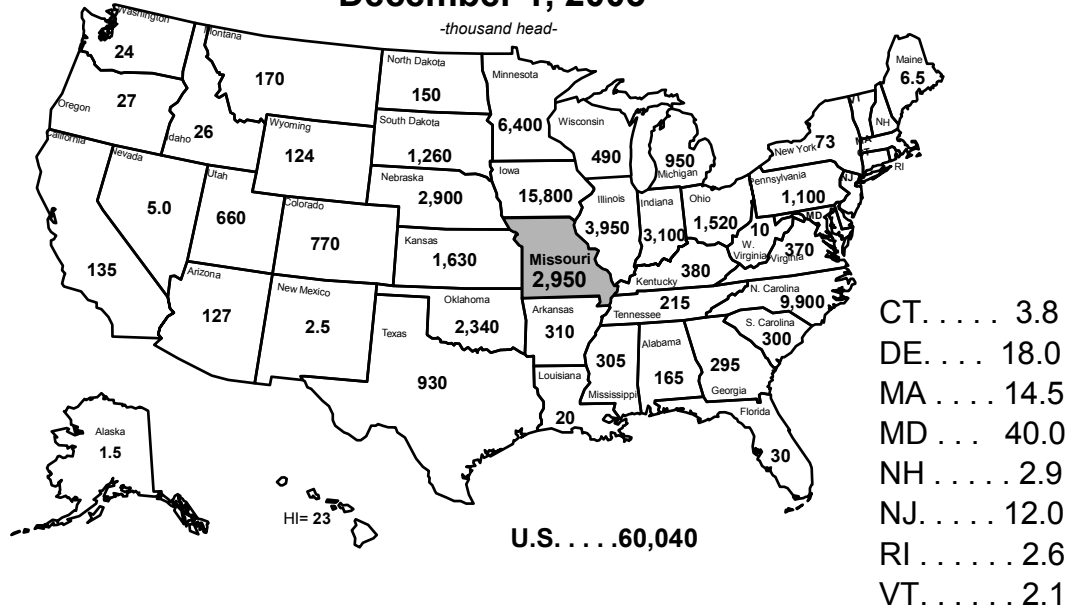
1/ Excluding cottage cheese.

2/ Includes hard and soft.

3/ Not published to avoid disclosure of individual operations.



Hogs and Pigs Inventory By State and United States, December 1, 2003



Hogs and Pigs Inventory, Supply, and Disposition, Missouri, 1999-2004 ^{1/}

Year	On Hand December 1 Preceding Year	Pig Crop		Inshipments	Marketings ^{2/}	Deaths
		Dec-May	Jun-Nov			
-thousand head-						
1999	3,300	3,350	3,237	1,550	7,935	350
2000	3,150	3,072	3,115	1,570	7,726	340
2001	2,900	3,152	3,142	1,590	7,794	415
2002	2,950	3,159	3,061	1,800	7,614	405
2003	2,950	2,984	3,115	1,810	7,478	430

1/ Beginning-of-year inventory plus pig crop and inshipments and minus marketings, slaughter and deaths equals end-of-year inventory.

2/ Includes commercial slaughter, outshipments and marketings, but excludes inter-farm sales within the state.

Hogs and Pigs Production and Income, Missouri, 1999-2003

Year	Production	Marketings	Price per 100 lbs.	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
-thousand pounds-		-dollars-		-thousand dollars-			
1999	1,238,173	1,334,015	27.50	378,926	452,219	1,215	453,434
2000	1,215,289	1,304,875	38.60	504,113	588,080	1,304	589,384
2001	1,188,531	1,280,875	41.30	517,862	591,161	1,283	427,759
2002	1,159,851	1,246,930	30.10	358,757	417,272	706	417,978
2003	1,100,499	1,203,310	34.10	386,330	456,066	799	456,865



Hog and Pig County Estimates

By County, Missouri, December 1, 2002-2003

County	Inventory		Value of all Hogs & Pigs	
	2002	2003	2002	2003

- head -

-thousand dollars -

Northwest	1/	1/	1/	1/
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North Central	1/	1/	1/	1/
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Northeast	1/	1/	1/	1/
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West Central	1/	1/	1/	1/
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Benton	1,600	1,700	98	97
Boone	25,200	24,600	1,537	1,402
Callaway	49,100	49,600	2,995	2,827
Camden	8,400	8,600	512	490
Cole	31,700	31,000	1,934	1,767
Cooper	23,500	26,200	1,434	1,493
Dallas	600	600	37	34
Hickory	600	600	37	34
Howard	3,500	3,400	214	194
Laclede	3,400	3,300	207	188
Maries	22,300	22,700	1,360	1,294
Miller	110,000	108,000	6,710	6,156
Moniteau	17,400	17,600	1,061	1,003
Morgan	44,100	44,000	2,690	2,508
Osage	63,500	60,600	3,874	3,454
Pettis	37,600	36,500	2,294	2,081
Phelps	500	500	31	29
Polk	6,300	6,200	384	353
Pulaski	10,500	10,300	641	587
Saline	90,200	94,000	5,502	5,358
Central	550,000	550,000	33,550	31,350

Crawford	200	200	12	11
Franklin	57,300	52,100	3,495	2,970
Gasconade	19,300	20,000	1,177	1,140
Jefferson	700	700	43	40
Lincoln	24,200	22,700	1,476	1,294
Montgomery	28,600	28,900	1,745	1,647
Perry	14,700	15,100	897	861
St. Charles	16,000	15,900	976	906
Ste. Genevieve	13,300	13,500	811	770
St. Francois	1,800	1,700	110	97
St. Louis	100	100	6	6
Warren	21,000	21,500	1,281	1,226
Washington	2,800	2,600	171	148
East Central	200,000	195,000	12,200	11,115

County	Inventory		Value of all Hogs & Pigs	
	2002	2003	2002	2003

- head -

-thousand dollars -

Barry	500	500	31	29
Barton	62,000	60,800	3,782	3,466
Christian	300	300	18	17
Dade	7,300	7,200	445	410
Greene	1,400	1,400	85	80
Jasper	17,900	17,800	1,092	1,015
Lawrence	1,900	1,900	116	108
McDonald	13,000	14,400	793	821
Newton	600	600	37	34
Stone	100	100	6	6
Southwest	105,000	105,000	6,405	5,985

Bollinger	6,700	6,700	409	382
Carter	*	*	*	*
Dent	500	500	31	29
Douglas	100	100	6	6
Howell	800	900	49	51
Iron	1,100	1,100	67	63
Madison	12,100	12,300	738	701
Oregon	8,400	7,900	512	450
Ozark	1,000	1,000	61	57
Reynolds	300	300	18	17
Ripley	600	600	37	34
Shannon	700	700	43	40
Taney	200	200	12	11
Texas	200	200	12	11
Wayne	600	600	37	34
Webster	9,700	10,300	592	587
Wright	7,000	6,600	427	376
South Central	50,000	50,000	3,050	2,850

Butler	100	100	6	6
Cape Girardeau	12,900	12,800	787	730
Dunklin	400	400	24	23
Mississippi	*	*	*	*
New Madrid	*	*	*	*
Pemiscot	*	*	*	*
Scott	1,300	1,400	79	80
Stoddard	300	300	18	17
Southeast	15,000	15,000	915	855

Other Counties	2,030,000	2,035,000	123,830	115,995
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State	2,950,000	2,950,000	179,950	168,150
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1/ Northwest, North Central, Northeast and West Central districts included in Other Counties and the State total to avoid disclosing individual operations.

* Less than 100 head.



Market Hogs
Inventory, Breeding and Market,
Market Hogs by Weight Group, Quarterly, Missouri, 1999-2004

Year	Total	Breeding	Market	Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over
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-thousand head-

March 1

1999	3,100	400	2,700	1,130	720	510	340
2000	3,000	380	2,620	1,140	680	510	290
2001	2,950	375	2,575	1,165	600	500	310
2002	2,900	365	2,535	1,155	570	500	310
2003	2,950	360	2,590	1,230	570	480	310
2004	2,900	330	2,570	1,270	510	470	320

June 1

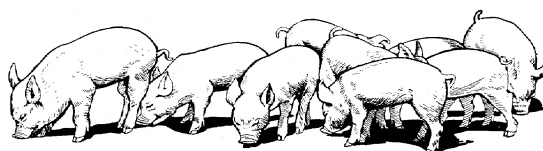
1999	3,200	410	2,790	1,240	730	520	300
2000	3,000	380	2,620	1,150	660	510	300
2001	3,000	385	2,615	1,305	520	480	310
2002	3,000	380	2,620	1,200	580	500	340
2003	2,900	340	2,560	1,250	530	470	310
2004	2,900	320	2,580	1,280	520	480	300

September 1

1999	3,100	390	2,710	1,110	720	530	350
2000	3,000	380	2,620	1,120	690	520	290
2001	3,000	380	2,620	1,160	560	520	380
2002	2,900	350	2,550	1,180	510	470	390
2003	2,900	330	2,570	1,220	550	480	320

December 1

1999	3,150	410	2,740	1,140	770	520	310
2000	2,900	380	2,520	1,010	680	510	320
2001	2,950	375	2,575	1,140	560	525	350
2002	2,950	360	2,590	1,190	530	480	390
2003	2,950	340	2,610	1,280	530	460	340



Hogs and Pigs

Percent of Operations and Inventory, By Size Group, Missouri, 1998-2003

Year	1-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory

-percent-

1999	50.0	2.0	30.0	8.5	20.0	89.5
2000	58.3	2.0	24.2	5.8	17.5	92.2
2001	60.6	2.0	20.0	5.0	19.4	93.0
2002	60.0	1.5	18.3	4.5	21.7	94.0
2003	59.3	1.5	16.7	3.5	24.0	95.0

**Spring Pig Crop**Sows Farrowed, Pigs per Litter and Pig Crop, Missouri, 1999-2004 ^{1/}

Year	Sows Farrowed			Pigs per Litter			Pig Crop		
	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
	<i>-thousands-</i>			<i>-head-</i>			<i>-thousands-</i>		
1999	190	195	385	8.60	8.80	8.70	1,634	1,716	3,350
2000	175	180	355	8.85	8.80	8.83	1,549	1,584	3,133
2001	170	185	355	8.80	8.90	8.85	1,496	1,647	3,143
2002	170	180	350	9.00	9.05	9.03	1,530	1,629	3,159
2003	170	170	340	8.85	8.70	8.78	1,505	1,479	2,984
2004	170	170	340	9.00	9.00	9.00	1,530	1,530	3,060

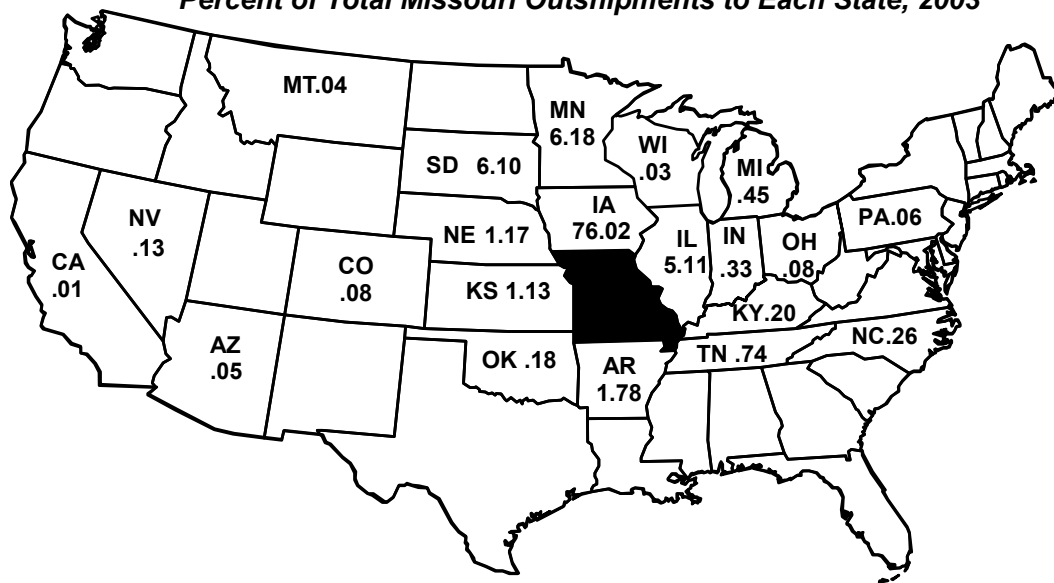
^{1/} December preceding year.**Fall Pig Crop**

Sows Farrowed, Pigs per Litter and Pig Crop, Missouri, 1999-2004

Year	Sows Farrowed			Pigs per Litter			Pig Crop		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
	<i>-thousands-</i>			<i>-head-</i>			<i>-thousands-</i>		
1999	180	190	370	8.80	8.70	8.75	1,584	1,653	3,237
2000	180	175	355	8.80	8.75	8.77	1,584	1,531	3,115
2001	180	180	360	9.00	8.90	8.85	1,620	1,602	3,222
2002	170	170	340	9.05	8.95	9.00	1,539	1,522	3,061
2003	170	175	345	8.95	9.10	9.03	1,522	1,593	3,115

Feeder Pig Outshipments

Percent of Total Missouri Outshipments to Each State, 2003

**Feeder Pigs Shipped Out of Missouri, by Month, 1999-2004**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	<i>-head-</i>												
1999	352,340	138,602	181,990	436,619	155,771	402,513	235,714	281,121	263,636	182,235	313,641	229,219	3,173,401
2000	285,192	142,524	258,806	216,615	424,268	214,268	274,244	293,803	287,836	231,760	258,934	182,962	3,071,212
2001	272,625	226,228	231,755	250,646	220,210	280,608	263,493	216,676	319,601	316,582	242,215	202,502	3,043,141
2002	312,460	195,127	225,823	251,076	297,637	298,708	259,629	331,825	279,521	259,371	226,424	277,552	3,215,153
2003	285,622	273,400	243,787	242,401	250,340	343,363	306,297	228,642	277,011	247,450	266,454	287,694	3,252,461
2004	249,236	220,985	346,644	273,429	227,292	291,524	295,010						

^{1/} Source: Animal Health Division, Missouri Department of Agriculture.



Commercial Cattle Slaughter ^{1/}
Number of Head and Liveweight, by Month, Missouri, 2002-2003

Month	Number		Average Liveweight		Total Liveweight	
	2002	2003	2002	2003	2002	2003
	<i>-thousand head-</i>		<i>-pounds-</i>		<i>-thousand pounds-</i>	
Jan	8.9	9.1	1,248	1,254	11,132	11,444
Feb	7.9	7.9	1,250	1,278	9,926	10,079
Mar	7.8	8.2	1,251	1,273	9,791	10,500
Apr	8.3	8.3	1,254	1,287	10,397	10,625
May	7.7	7.6	1,268	1,285	9,769	9,817
Jun	6.0	7.3	1,215	1,292	7,249	9,448
Jul	6.6	7.4	1,221	1,272	8,027	9,457
Aug	6.8	7.0	1,210	1,281	8,204	8,937
Sep	7.1	7.6	1,210	1,300	8,585	9,936
Oct	9.2	8.9	1,223	1,292	11,212	11,483
Nov	6.0	5.7	1,332	1,342	7,937	7,637
Dec	8.2	7.8	1,265	1,320	10,372	10,261
Total	90.4	92.9	1,245	1,288	112,600	119,625

^{1/} Includes slaughter in federally inspected and in other slaughter plants, but excludes animals slaughtered on farm.

Commercial Calf Slaughter ^{1/}
Number of Head and Liveweight, by Month, Missouri, 2002-2003

Month	Number		Average Liveweight		Total Liveweight	
	2002	2003	2002	2003	2002	2003
	<i>-thousand head-</i>		<i>-pounds-</i>		<i>-thousand pounds-</i>	
Jan	0.2	2/	422	2/	71	2/
Feb	0.1	2/	380	2/	49	2/
Mar	0.1	2/	332	2/	31	2/
Apr	0.1	2/	380	2/	36	2/
May	0.1	2/	371	2/	30	2/
Jun	0.1	2/	335	2/	21	2/
Jul	0.1	2/	364	2/	36	2/
Aug	0.1	2/	289	2/	49	2/
Sep	0.1	2/	391	2/	48	2/
Oct	0.1	2/	361	2/	53	2/
Nov	0.1	2/	357	2/	28	2/
Dec	0.1	2/	360	2/	31	2/
Total	1.3	2/	375	2/	483	2/

^{1/} Includes slaughter in federally inspected and in other slaughter plants, but excludes animals slaughtered on farm.

2/ Data not published to avoid disclosing individual operations.

Commercial Hog Slaughter ^{1/}
Number of Head and Liveweight, by Month, Missouri, 2002-2003

Month	Number		Average Liveweight		Total Liveweight	
	2002	2003	2002	2003	2002	2003
	<i>-thousand head-</i>		<i>-pounds-</i>		<i>-thousand pounds-</i>	
Jan	169.0	177.1	2/	2/	2/	2/
Feb	146.6	147.7	2/	2/	2/	2/
Mar	153.6	154.8	2/	2/	2/	2/
Apr	175.4	173.2	2/	2/	2/	2/
May	160.7	165.0	2/	2/	2/	2/
Jun	153.2	161.3	2/	2/	2/	2/
Jul	168.4	161.7	2/	2/	2/	2/
Aug	161.1	154.7	2/	2/	2/	2/
Sep	163.2	169.6	2/	2/	2/	2/
Oct	170.1	186.3	2/	2/	2/	2/
Nov	173.2	171.7	2/	2/	2/	2/
Dec	176.4	185.6	2/	2/	2/	2/
Total	1,970.9	2,009.0	2/	2/	2/	2/

^{1/} Includes slaughter in federally inspected and in other slaughter plants, but excludes animals slaughtered on farm.

2/ Data not published to avoid disclosing individual operations.



Poultry

Eggs

Production and Value, Missouri, 1999-2003

Year ^{1/}	Eggs Produced	Price per Dozen	Value of Production
	-millions-	-cents-	-thous. dol.-
1999	1,690	51.6	72,670
2000	1,614	52.0	69,940
2001	1,791	50.7	75,688
2002	1,841	49.7	76,176
2003	1,859	64.5	99,921

1/ Estimates cover the 12 month period, beginning December 1 of the previous year.

Commercial Broilers

Production and Value, Missouri, 1999-2003

Year ^{1/}	Number Produced	Production	Price per Pound	Value of Production
	-thous. head-	-thous. lbs.-	-cents-	-thous. dol.-
1999	258,800	1,164,600	37.0	430,902
2000	2/			
2001	2/			
2002	2/			
2003	2/			

1/ Estimates cover the 12 month period, beginning December 1 of the previous year.

2/ Not published to avoid disclosure of individual operations.

Chickens

Number on Farms, by Class, Missouri, December 1, 1999-2003

Year	All Chickens (Except Broilers)	Hens and Pullets of Laying Age			Pullets Not of Laying Age		Other Chickens
		Layers 1 Year Old & Older	Layers 20 Weeks Old But Less Than 1 Year	Total	13 Weeks Old or Older But Less Than 20 Weeks	Under 13 Weeks of Age	
				-thousand head-			
1999	8,443	3,330	2,854	6,184	412	1,665	182
2000	8,225	3,590	3,075	6,665	480	910	170
2001	8,462	3,908	2,955	6,863	779	640	180
2002	8,555	3,489	3,272	6,761	816	793	185
2003	8,280	3,600	2,900	6,500	775	830	175

Chickens

Lost, Sold, and Value of Sales, Missouri, 1999-2003

Year ^{1/}	Number Lost ^{2/}	Number Sold	Pounds Sold	Price per Pound	Value of Sales
	-thousand head-		-thousand lbs.-	-cents-	-thousand dol.-
1999	1,036	4,148	18,251	5.0	913
2000	755	5,797	26,087	5.0	1,304
2001	908	3,375	16,875	3.0	506
2002	905	3,710	20,405	5.0	1,020
2003	936	4,438	21,746	4.7	1,022

1/ Estimates cover the 12 month period, December 1 previous year through November 30 and excludes broilers.

2/ Includes deaths, rendered and other losses during the 12 month period.

Turkeys

Production and Value, Missouri, 1999-2003

Year ^{1/}	Number Raised	Pounds Produced	Price per Pound ^{2/}	Value of Production
	-thousand. head-	-thousand lbs.-	-cents-	-thousand dol.-
1999	22,000	616,000	45.0	277,200
2000	23,000	618,700	44.0	272,228
2001	24,000	660,000	41.0	270,600
2002	25,500	782,850	36.0	281,826
2003	26,500	816,200	35.0	285,670

1/ Based on turkeys placed September 1 previous year through August 31 current year. Excludes young turkeys lost.

2/ Live weight equivalent price.



Layers on Farms

Average Number, by Month, Missouri, 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-thousands-</i>												
1999	6,576	6,558	6,612	6,713	6,619	6,319	6,094	6,219	6,205	6,020	6,111	6,182
2000	6,001	6,123	6,210	5,897	5,958	6,079	5,938	5,961	6,235	6,487	6,626	6,771
2001	7,224	7,255	6,936	6,895	6,760	6,683	6,698	6,658	6,868	6,983	6,858	6,839
2002	6,928	6,923	6,904	6,988	6,869	6,872	6,990	7,002	7,075	6,939	6,746	6,858
2003	6,812	6,861	6,950	6,885	6,826	6,793	6,860	6,953	6,872	6,713	6,614	6,706
2004	6,841	7,166	7,207	7,055	6,848	6,901						

Egg Production

Eggs per 100 Layers, by Month, Missouri, 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-number of eggs-</i>												
1999	2,205	1,998	2,238	2,145	2,266	2,231	2,199	2,187	2,192	2,292	2,242	2,232
2000	2,183	2,090	2,238	2,137	2,216	2,171	2,273	2,356	2,197	2,112	2,098	2,260
2001	2,284	2,012	2,206	2,161	2,263	2,185	2,120	2,103	2,068	2,148	2,187	2,223
2002	2,136	1,993	2,216	2,132	2,242	2,197	2,303	2,314	2,219	2,291	2,268	2,304
2003	2,275	2,055	2,273	2,222	2,300	2,238	2,318	2,330	2,270	2,383	2,238	2,237
2004	2,295	2,107	2,206	2,112	2,205	2,159						

Egg Production

Number of Eggs Produced, by Month, Missouri, 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>-million eggs-</i>												
1999	145	131	148	144	150	141	134	136	136	138	137	138
2000	131	128	139	126	132	132	135	140	137	137	139	153
2001	165	146	153	149	153	146	142	140	142	150	150	152
2002	148	138	153	149	154	151	161	162	157	159	153	158
2003	155	141	158	153	157	152	159	162	156	160	148	150
2004	157	151	159	149	151	149						

**Sheep and Lambs**

Number on Farms, by Class and Lamb Crop, Missouri, January 1, 2000-2004

Year	All Sheep & Lambs	Market Sheep & Lambs	Breeding Sheep				Lamb Crop
			Replacement Lambs	1 Year & Older		Total	
				Ewes	Rams		
-thousand head-							
2000	80	14	10	52	4	66	65
2001	73	14	9	47	3	59	55
2002	70	11	10	46	3	59	60
2003	70	9	9	49	3	61	55
2004	60	6	6.5	45	2.5	54	---

Sheep and LambsNumber on Farms and Value, by District, Missouri, January 1, 2002-2004^{1/}

District	2002		2003		2004	
	Number	Value	Number	Value	Number	Value
	<i>-thous.-</i>	<i>-thous. dol.-</i>	<i>-thous.-</i>	<i>-thous. dol.-</i>	<i>-thous.-</i>	<i>-thous. dol.-</i>
NW	9.0	990	10.0	1,100	8.6	1,109
NC	16.0	1,760	13.5	1,485	11.6	1,496
NE	10.5	1,155	9.5	1,045	8.1	1,045
WC	7.5	825	6.8	748	5.8	748
C	11.0	1,210	12.5	1,375	10.5	1,355
EC	5.5	605	7.5	825	6.3	813
SW	5.5	605	5.2	572	4.5	581
SC & SE	5.0	550	5.0	550	4.6	593
State	70.0	7,700	70.0	7700	60.0	7,740

^{1/} See inside front cover for district boundaries.**Sheep and Lambs**

Production and Income, Missouri, January 1, 1999-2003

Year	Production	Marketings	Price per 100 lbs.		Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
			Sheep	Lambs				
-thousand pounds-			-dollars-		-thousand dollars-			
1999	5,611	6,483	33.00	75.00	3,953	4,210	84	4,294
2000	4,959	6,060	35.50	79.00	3,605	4,037	89	4,126
2001	4,745	5,193	35.00	70.00	3,034	3,252	78	3,330
2002	5,267	5,268	28.00	70.00	3,329	3,470	71	3,541
2003	4,637	5,938	35.00	91.00	3,878	4,598	96	4,694

Wool

Production and Value, Missouri, 1999-2003

Year	Sheep Shorn	Weight per Fleece	Wool Produced	Season Average Price Per Pound	Value of Production
	<i>-thousand head-</i>	<i>-pounds-</i>	<i>-thousand lbs.-</i>	<i>-cents-</i>	<i>-thousand dol.-</i>
1999	68	7.0	478	14	67
2000	63	6.8	430	10	43
2001	56	7.0	390	9	35
2002	59	6.7	395	20	79
2003	53	7.0	370	30	155



Trout Operations & Sales

Missouri, 2000-2003

Year	Total Operations ^{1/}	Operations Selling Fish ^{1/}	Operations Distributing Fish ^{1/ 2/}	Total Value of Fish Sold	Total Value of Fish Distributed
	-number-	-number-	-number-	-thousand dollars-	-thousand dollars-
2000	13	8	5	1,968	2,279
2001	14	9	7	1,893	1,770
2002	12	7	5	1,858	1,837
2003	10	6	5	1,990	1,665

1/ As of January 1.

2/ Distributed for restoration or conservation purposes.

3/ Not published to avoid disclosure of individual operations.

Foodsize Catfish Sales

Missouri, 1999-2003

Year	Number of Fish	Average Liveweight	Total Liveweight	Average Price per Pound	Total Value of Sales
	-thousands-	-pounds-	-thousand pounds-	-dollars-	-thousand dollars-
1999	1,270	2.1	2,630	0.81	2,130
2000	1,780	1.5	2,590	0.87	2,253
2001	1,010	2.2	2,180	0.91	1,984
2002	350	2.2	765	0.83	635
2003	905	1.9	1,700	0.86	1,462

Catfish Inventory

Missouri January 1, 2003-2004

Category	Number of Fish		Liveweight of Fish		Average Liveweight	
	2003	2004	2003	2004	2003	2004
	-thousands-	-thousands-	-thousand pounds-	-thousand pounds-	-pounds-	-pounds-
Broodfish	15	1/	60	1/	4.0	1/
Large Foodsize Fish ^{2/}	1/	1/	1/	1/	1/	1/
Medium Foodsize Fish ^{3/}	410	420	970	895	2.4	2.1
Small Foodsize Fish ^{4/}	660	720	700	750	1.1	1.0
Large Stockers ^{5/}	1/	1/	1/	1/	1/	1/
Small Stockers ^{6/}	1/	1/	1/	1/	1/	1/
Fingerlings ^{7/}	4,040	4,460	90	75	22.3 ^{8/}	16.8 ^{8/}

1/ Not published to avoid disclosure of individual operations.

2/ Over 3 lb. fish

3/ Over 1 ½ to 3 lb. fish.

4/ Over 3/4 to 1 ½ lbs. fish.

5/ Over 180 to 750 lbs./1,000 fish.

6/ Over 60 to 180 lbs./1,000 fish.

7/ 60 lbs. or less/1,000 fish.

8/ Liveweight per 1,000 fish.



Honey

Production and Value, Missouri 1999-2003 ^{1/}



Year	Number of Colonies	Yield per Colony	Production	Price per Pound	Value of Production
	-thousands-	-pounds-	-thous. lbs.	-cents-	-thous. dollars-
1999	24	65	1,560	68	1,061
2000	23	75	1,725	60	1,035
2001	25	61	1,525	71	1,083
2002	18	50	900	142	1,278
2003	17	53	901	141	1,270

1/ For producers with five or more colonies.



Farm Income & Prices

2003 Summary

CASH RECEIPTS: Missouri farm marketings totaled \$4.97 billion in 2003, up 17 percent from \$4.26 billion in 2002. Livestock and livestock product receipts accounted for \$2.63 billion in 2003, up 15 percent from 2002, while crop receipts increased 18 percent to \$2.34 billion.

LIVESTOCK PRICES: **Beef** cattle prices averaged \$77.00 per cwt in 2003, up from the \$69.40 average of 2002. The low price level for beef cattle was in February at \$65.30 before reaching a peak in November at \$86.40. The 2003 average price for steers and heifers amounted to \$88.00 per cwt, up from \$79.50 in 2002. Steer and heifer prices made the high for the year in October at \$97.10, with the low occurring in March at \$79.50 per cwt. The average price of cows increased 15 percent from \$36.30 in 2002 to \$41.80 in 2003. The year started with the average monthly cow price at the lowest in January at \$34.50 and ended with the high in December at \$48.20. Calf prices averaged \$101.00 per cwt, up from \$92.30 in 2002. The low price for the year was also in January at \$93.00, while December saw the high price of \$111.00.

The average price for the **all hog** market year (Dec. 2002 -Nov. 2003) increased to \$34.10 per cwt from \$30.10 the previous year. The all hog monthly price averages reached a peak of \$42.40 in June with the low of \$30.40 in January. The 2003 marketing year average price for barrows and gilts was \$34.80 per cwt, compared with \$31.00 in 2002. Barrow and gilt prices reached a high of \$43.50 in June and a low of \$30.70 in November. Sow prices for the market year averaged \$26.30 per cwt, up \$6.00 from the previous market year.

The average price farmers received for **sheep** in 2003 was \$35.00 per cwt, up \$7.00 from the 2002 average. Lamb prices averaged \$91.00 per cwt, up from 70.00 in 2002. The annual average price for wool was 42 cents per pound, up from 20 cents a year earlier.

The 2003 wholesale price for **all milk** averaged \$12.60 per cwt, up from \$12.30 in 2002. Wholesale prices ranged from a low of \$11.00 in April to a high of \$15.40 in October. **Egg prices** for hatching and table eggs combined averaged 64.5 cents per dozen for the 2003 marketing year (Dec. 2002-Nov. 2003), 14.8 cents above last year's price of 49.7 cents per dozen. Table eggs alone averaged 49.2 cents per dozen, up from 33.7 cents per dozen in 2002. **Turkey** prices for the December-November marketing year averaged 35 cents per pound, down 1 cent from the same period a year earlier.

CROP PRICES: Missouri preliminary 2003 marketing year average prices for corn, soybeans, wheat, sorghum, cotton, and rice all increased from the previous marketing year averages, while potatoe prices declined.

The preliminary average **wheat** price of \$3.05 per bushel for the 2003 wheat marketing year (June 2003-May 2004), was up 2 cents from the 2002 average price of \$3.03 per bushel. During the 2003 marketing year, wheat prices ranged from a monthly low of \$2.87 in July to a high of \$3.83 in May.



Elizabeth Lowery photo.

A preliminary average **soybean** price of \$7.55 is estimated for the 2003 soybean marketing year (Sept. 2003-Aug. 2004), up from the \$5.54 average for the 2002 crop. The lowest monthly average soybean price during the marketing year was \$6.26 in September 2003, while the high occurred in May at \$9.68 per bushel.

Corn prices averaged an estimated \$2.50 per bushel during the 2003 marketing year (Sept. 2003-Aug. 2004), compared with the \$2.45 per bushel average for the previous marketing year. The highest monthly price during the marketing year came in April at \$3.01 per bushel, while the low for 2003 was reached in October when prices averaged \$2.19.

The 2003 preliminary marketing year average for **grain sorghum** (Sept. 2003-Aug. 2004) is estimated at \$4.35 per cwt (\$2.43 per bushel), up 13 cents from a year earlier. Average monthly prices ranged from a November low of \$4.04 to a May high of \$5.26 per cwt.

The preliminary **cotton** price for the 2003 crop averaged 62.0 cents per pound, up from the 2002 price of 44.3 cents. Cottonseed prices averaged \$125.00 per ton, up \$30.00 per ton from the previous year. Average **rice** prices are estimated at \$6.50 per cwt., up from \$3.90 in the 2002 marketing year. The **all hay** market price averaged \$66.50 per ton, compared with \$67.50 a year earlier.

EXPORT VALUES: The value of Missouri agricultural exports in the 2003 fiscal year totaled \$1.24 billion, up 5 percent from the \$1.18 billion in 2002. Missouri ranks fifteenth in value of agricultural exports by state. Soybeans and soybean products were the largest component at \$511 million, up 8 percent from the previous year. Feed grains and grain products were the second leading category at \$217 million, down 12 percent from 2002.

FARM FINANCE: The debt-to-asset ratio average for farms in Missouri in 2002 was 12.9, unchanged from 2001. The debt-to-asset ratio is considered a primary measure of whether a farm will have cash flow difficulties. It is computed by dividing the total of all debts by the total of all assets.



Prices Received

Average Prices Received by Farmers, by Commodity, Missouri, 1999-2003 ^{1/}

Commodity	1999	2000	2001	2002	2003 ^{2/}
Sheep, cwt.	33.00	35.50	-dollars- 35.00	28.00	35.00
Lambs, cwt.	75.00	79.00	70.00	70.00	91.00
Wool, lb.	.14	.10	.09	.20	.42
Calves, cwt.	85.10	102.00	99.50	92.30	101.00
All Beef Cattle, cwt.	65.60	76.00	76.20	69.40	77.00
Steers & Heifers, cwt.	75.30	87.50	87.30	79.50	88.00
Cows, cwt. ^{3/}	34.80	38.00	40.80	36.30	41.80
Milk Cows, hd. ^{4/}	1,120.00	1,230.00	1,370.00	1,450.00	1,260.00
All Hogs, cwt.	27.50	38.60	41.30	30.10	34.10
Barrows & Gilts, cwt.	28.10	39.10	41.90	31.00	34.80
Sows, cwt.	21.00	32.90	34.00	20.30	26.30
Milk, Wholesale, All,	14.70	12.10	14.90	12.30	12.60
Eggs (all), doz.	.516	.520	.507	.497	.645
Turkeys, lb.	.45	.44	.41	.36	.35
Soybeans, bu.	4.67	4.55	4.32	5.54	7.55
Corn, bu.	1.96	1.78	1.96	2.45	2.50
Wheat (winter), bu.	2.10	2.28	2.42	3.03	3.05
Grain Sorghum, cwt.	2.99	3.14	3.46	4.22	4.35
All Hay, ton	72.00	70.50	75.00	67.50	66.50
Cotton, lb.	.467	.564	.300	.443	.620
Cottonseed, ton	91.00	90.00	85.00	95.00	125.00
Oats, bu.	1.50	1.50	1.60	1.85	1.65
Tobacco, lb.	1.879	1.854	1.895	1.900	1.940
Rice, cwt.	5.60	5.40	3.70	3.90	6.50
Potatoes, cwt.	5.40	5.55	5.10	6.50	5.75

1/ Price is marketing year average price. See page 82 for months included in marketing year average for various crops.

2/ Livestock and Crop prices for 2003 are preliminary since the marketing year is not complete.

3/ Beef cows & cull dairy cows sold for slaughter.

4/ Milk cows sold for dairy herd replacement only.

Prices Received

Prices Received by Farmers, by Commodity, by Month, Missouri 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
All Hogs												
-dollars per cwt.-												
1999	22.10	22.40	22.10	25.20	31.00	28.50	24.90	33.40	29.70	29.60	29.30	30.20
2000	34.00	36.70	38.30	44.40	46.10	44.90	44.10	40.30	38.50	37.60	34.10	36.90
2001	34.20	36.20	43.20	45.20	47.50	48.00	47.60	47.20	42.20	37.30	32.50	30.10
2002	34.60	35.00	33.40	29.00	30.50	33.10	34.60	27.90	22.20	27.10	25.20	28.00
2003	30.40	32.00	32.10	32.30	39.10	42.40	39.40	36.40	36.70	33.00	30.50	30.60
2004	34.40	40.90	44.90	44.50	54.00	53.60						
Barrows and Gilts												
-dollars per cwt.-												
1999	22.50	23.00	22.30	25.40	31.40	28.70	25.70	34.50	30.30	29.90	29.70	30.60
2000	34.00	36.80	38.70	45.00	46.60	46.20	45.40	41.00	39.00	37.90	34.50	37.50
2001	34.70	36.90	44.00	45.70	48.30	49.20	48.40	47.90	42.80	37.60	32.70	30.50
2002	35.50	35.80	33.80	29.30	31.20	34.70	36.70	29.30	23.00	27.90	25.70	28.50
2003	31.10	32.90	33.00	33.00	39.90	43.50	40.20	37.10	37.40	33.20	30.70	30.80
2004	34.90	41.50	45.30	44.90	54.70	54.10						



Prices Received

Prices Received by Farmers, by Commodity, by Month, Missouri 1999-2004

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Sows

-dollars per cwt.-

1999	17.30	15.20	19.30	22.50	26.00	27.10	18.30	22.30	22.10	24.20	23.70	25.50
2000	33.90	36.10	33.30	35.80	39.30	33.10	33.60	32.90	31.70	32.50	28.20	29.20
2001	28.90	27.80	32.60	37.40	37.10	37.10	40.90	39.90	33.70	33.00	29.10	24.40
2002	24.50	25.60	28.30	23.80	21.00	18.70	17.50	16.80	14.50	17.00	17.40	20.40
2003	20.40	21.60	22.10	23.00	26.40	27.10	32.00	30.60	29.70	29.90	27.60	26.80
2004	28.00	34.10	40.10	39.70	43.70	46.70						

Beef Cattle

-dollars per cwt.-

1999	61.50	63.30	63.00	63.30	62.60	65.60	69.10	67.60	67.70	69.40	69.40	67.90
2000	75.00	75.40	76.10	76.40	73.80	76.50	80.40	78.70	73.90	75.80	78.50	72.30
2001	78.00	76.70	77.20	80.10	77.80	81.20	81.10	78.80	77.00	73.00	70.50	68.60
2002	67.50	74.90	72.70	70.50	69.50	67.60	67.20	67.50	67.90	66.70	68.30	70.50
2003	66.60	65.30	70.00	72.80	73.90	74.00	79.10	81.20	84.70	85.80	86.40	86.40
2004	77.90	77.40	86.90	88.20	93.60	96.40						

Steers and Heifers

-dollars per cwt.-

1999	69.50	71.70	72.10	72.90	72.60	75.10	77.90	76.20	77.30	78.30	79.10	82.10
2000	85.60	86.30	88.00	88.70	87.20	88.40	91.50	89.50	84.00	85.50	89.00	88.20
2001	88.60	86.60	88.50	92.60	90.50	93.00	91.40	88.70	87.10	81.80	80.00	81.50
2002	83.30	84.80	83.10	80.70	80.70	77.00	76.00	76.60	77.40	76.40	78.00	80.80
2003	80.30	80.00	79.50	83.70	85.00	86.40	90.50	91.80	96.20	97.10	96.30	96.50
2004	92.30	94.00	98.60	100.00	107.00	113.00						

Cows

-dollars per cwt.-

1999	31.50	33.70	34.30	34.30	36.90	37.10	37.90	37.00	33.80	33.80	33.10	34.60
2000	35.20	36.70	38.40	39.40	39.30	40.80	41.10	40.20	38.10	36.80	36.60	35.20
2001	37.90	41.70	41.60	42.40	45.30	45.60	44.50	43.50	41.20	37.60	34.60	38.60
2002	36.80	39.60	39.80	39.70	40.60	39.20	35.90	35.40	34.20	32.50	29.70	32.30
2003	34.50	36.80	36.30	38.40	40.70	42.00	44.70	43.60	44.10	45.60	46.60	48.20
2004	44.30	45.10	45.40	50.70	53.40	53.60						

Calves

-dollars per cwt.-

1999	80.90	82.60	83.30	84.50	83.00	84.00	85.60	85.00	85.50	85.00	87.30	92.60
2000	98.70	101.00	106.00	107.00	102.00	103.00	110.00	104.00	95.90	96.40	102.00	103.00
2001	104.00	103.00	106.00	109.00	105.00	107.00	103.00	100.00	101.00	93.40	91.70	98.00
2002	100.00	102.00	101.00	96.00	93.80	88.90	86.20	85.90	85.80	85.80	87.50	91.30
2003	93.00	93.40	93.70	96.70	96.80	97.40	101.00	101.00	106.00	107.00	106.00	111.00
2004	109.00	111.00	116.00	116.00	123.00	128.00						

Market Eggs

-cents per dozen-

1999	53.5	36.1	43.5	28.9	24.6	24.0	33.4	28.8	27.9	20.6	36.0	37.5
2000	31.8	42.0	28.0	42.0	19.0	33.0	30.0	41.0	29.5	41.0	48.0	62.0
2001	37.0	41.0	42.0	40.0	27.0	27.0	23.0	25.0	26.0	35.0	36.0	30.0
2002	44.0	30.0	46.0	23.0	19.0	34.0	32.0	40.0	31.5	24.5	50.5	42.0
2003	46.0	36.0	44.0	45.0	31.0	41.0	44.0	60.0	54.0	62.0	86.0	65.0
2004	76.0	67.0	94.0	53.0	38.0	42.0	35.0					



Prices Received for Milk Cows ^{1/}
Missouri, 1999-2004

Year	January	April	July	October
<i>-dollars per head-</i>				
1999	1,120	1,040	1,090	1,240
2000	1,190	1,220	1,240	1,250
2001	1,180	1,310	1,450	1,550
2002	1,410	1,550	1,530	1,300
2003	1,260	1,220	1,250	1,350
2004	1,240	1,550	1,560	

^{1/} Milk cows sold for dairy herd replacement only.

Prices Paid
Average Prices Paid by Farmers For Selected Items, Corn Belt, ^{1/} as of April for the following years:

Commodity	2000	2001	2002	2003	2004
<i>-dollars-</i>					
L.P. Gas, Bulk Delivered, per gallon	.92	1.13	.86	1.12	1.11
Diesel Fuel, Bulk Delivered, per gallon	1.10	1.10	.98	1.26	1.32
Gasoline, Service Station, unleaded, per gallon	1.42	1.41	1.35	1.57	1.69
Gasoline, Bulk Delivered, unleaded, per gallon	1.49	1.49	1.39	1.61	1.74
Bran, per cwt.	12.40	12.30	12.30	12.20	13.90
Cottonseed Meal, 41%, per cwt.	15.00	16.10	15.40	15.20	18.70
Soybean Meal, 44%, per cwt.	11.70	12.00	12.10	12.80	18.80
Corn Meal, per cwt.	5.80	5.95	7.50	10.40	8.28
Hog Feed, 14-18%, per ton	198	215	211	215	250
Hog Concentrate, 38-42%, per ton	292	299	299	314	415
Beef Cattle Concentrate, 32-36%, per ton	287	303	312	313	382
Dairy Feed, 14%, per ton	174	187	181	184	221
Dairy Feed, 16%, per ton	185	195	185	199	250
Dairy Concentrate, 32%, per ton	308	312	306	321	405
Chick Starter, per ton	271	256	272	287	332
Laying Feed, per ton	226	228	238	237	276
Broiler Grower, per ton	258	258	264	250	336
Turkey Grower, per ton	274	249	279	302	330
Molasses, per cwt.	14.40	15.20	16.10	15.60	16.20
Stock salt, 50 lb.	4.10	4.10	4.11	4.40	4.72

^{1/} IL, IN, IA, MO, and OH.



Marketing of Major Crops

Estimated Percent of Farm Sales, by Month, Missouri, 1998-2003

Marketing Year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Corn												
1998-99	8	15	12	10	15	8	10	4	4	4	4	6
1999-00	20	8	7	8	15	8	6	4	5	3	6	10
2000-01	32	12	5	4	15	4	5	3	3	3	4	10
2001-02	24	15	7	6	11	6	4	5	6	6	5	5
2002-03	7	12	8	8	13	7	7	7	6	7	9	9
Soybeans												
1998-99	7	19	10	7	10	6	9	5	5	6	7	9
1999-00	6	25	11	7	17	7	8	4	3	3	4	5
2000-01	6	27	11	6	16	6	7	4	5	4	5	3
2001-02	3	23	16	8	16	8	9	4	4	3	3	3
2002-03	2	22	15	9	17	8	7	7	4	3	4	2
Sorghum												
1998-99	12	23	11	11	13	10	10	4	2	2	2	0
1999-00	38	11	9	7	11	6	4	2	3	3	2	4
2000-01	28	22	11	5	12	3	4	5	2	1	2	5
2001-02	30	20	12	6	9	2	4	6	4	2	2	3
2002-03	9	20	20	9	17	3	9	5	3	1	2	2
Marketing Year	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Wheat												
1998-99	32	28	8	4	2	1	3	8	3	4	4	3
1999-00	12	31	10	6	1	2	5	15	6	3	4	5
2000-01	52	22	9	2	2	1	1	3	2	4	1	1
2001-02	42	26	10	3	1	2	3	5	1	2	4	1
2002-03	37	42	7	3	2	1	1	3	1	1	1	1
Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
All Hay												
1998-99	4	14	13	6	7	4	7	11	10	11	9	4
1999-00	6	11	11	18	4	5	7	10	9	9	8	2
2000-01	3	15	13	8	6	4	8	10	10	11	9	3
2001-02	5	10	10	12	9	7	9	11	11	8	5	3
2002-03	5	12	12	11	7	6	8	10	10	9	7	3



Agricultural Exports
Value and Ranking by Commodity Group, Fiscal Year 2003^{1/}

Commodity Group	United States	Missouri	Ranking
<i>-million dollars-</i>			
Rice	1,021.2	50.4	6th
Soybeans and products	8,287.5	511.2	6th
Feeds and Fodders	1,998.7	66.5	7th
Feed grains and products	6,731.0	217.4	9th
Dairy products	1,033.6	15.3	14th
Cotton and linters	2,726.7	96.3	10th
Cottonseed and products	102.9	3.6	10th
Tobacco (unmanufactured)	998.6	4.0	13th
Wheat and products	5,326.8	142.7	12th
Hides and skins	1,790.3	4.2	21st
Animal fats, oils, and greases	538.5	1.2	23rd
Poultry and products	2,105.4	29.8	22nd
Live animals and meat (<i>excluding poultry</i>)	6,483.0	14.1	27th
Seeds (<i>excluding cottonseed</i>)	813.1	10.2	20th
Total Agricultural Exports	56,186.4	1,239.0	15th

^{1/} Fiscal year, October 1 - September 30.

Source: Economic Research Service, Commodity Economics Division, U.S. Department of Agriculture.

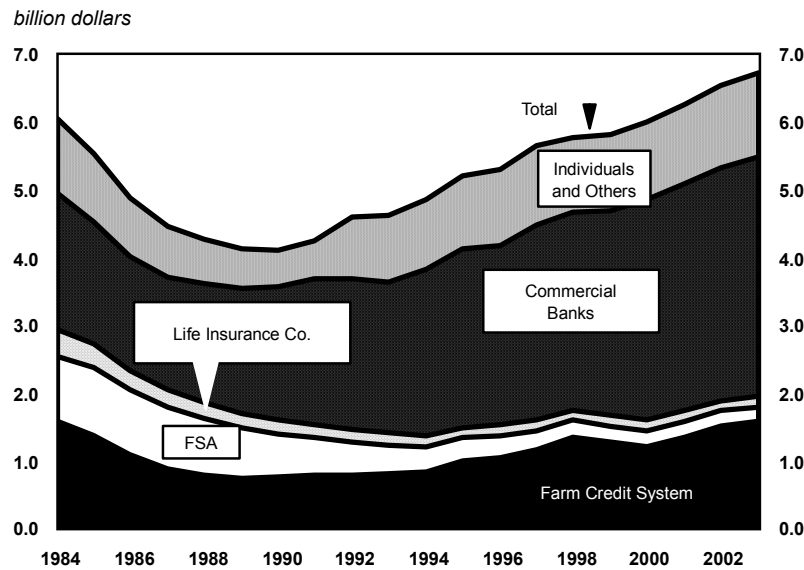
Export Values of Agricultural Commodities
Missouri 1998-2003^{1/}

Commodity	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
<i>-million dollars-</i>					
Wheat and wheat products	137.8	120.8	130.7	134.8	142.7
Rice	43.7	48.8	43.6	42.8	50.4
Feed grains and grain products	213.0	177.8	262.0	246.3	217.4
Soybeans and soybean products	404.3	368.6	432.1	472.3	511.2
Cotton and linters	32.0	47.6	61.8	68.4	96.3
Cottonseed and cottonseed products	1.5	2.5	2.8	3.5	3.6
Tobacco	4.3	3.0	3.2	3.4	4.0
Fruit	3.8	4.8	4.2	5.1	4.5
Dairy products	19.3	17.9	18.8	16.3	15.3
Poultry and products	64.5	71.0	75.3	25.6	29.8
Live animals and meat, (<i>excluding poultry</i>)	59.2	75.8	80.2	16.6	14.1
Animal fats, oils and greases	2.8	3.1	2.1	1.0	1.2
Hides and skins	3.2	3.9	5.0	4.2	4.2
Seeds, excluding cottonseed	12.2	11.9	10.8	13.0	10.2
Feeds and fodders	50.0	48.1	57.1	57.0	66.5
Other (Miscellaneous)	51.2	50.2	51.3	56.5	58.3
Total Agricultural Exports	1,106.2	1,063.6	1,248.5	1,177.8	1,239.0

^{1/} Fiscal year, October 1-September 30.

Source: Economic Research Service, Commodity Economics Division, U.S. Department of Agriculture.

Farm Debt: Missouri, 1984-2003



Farm Debt

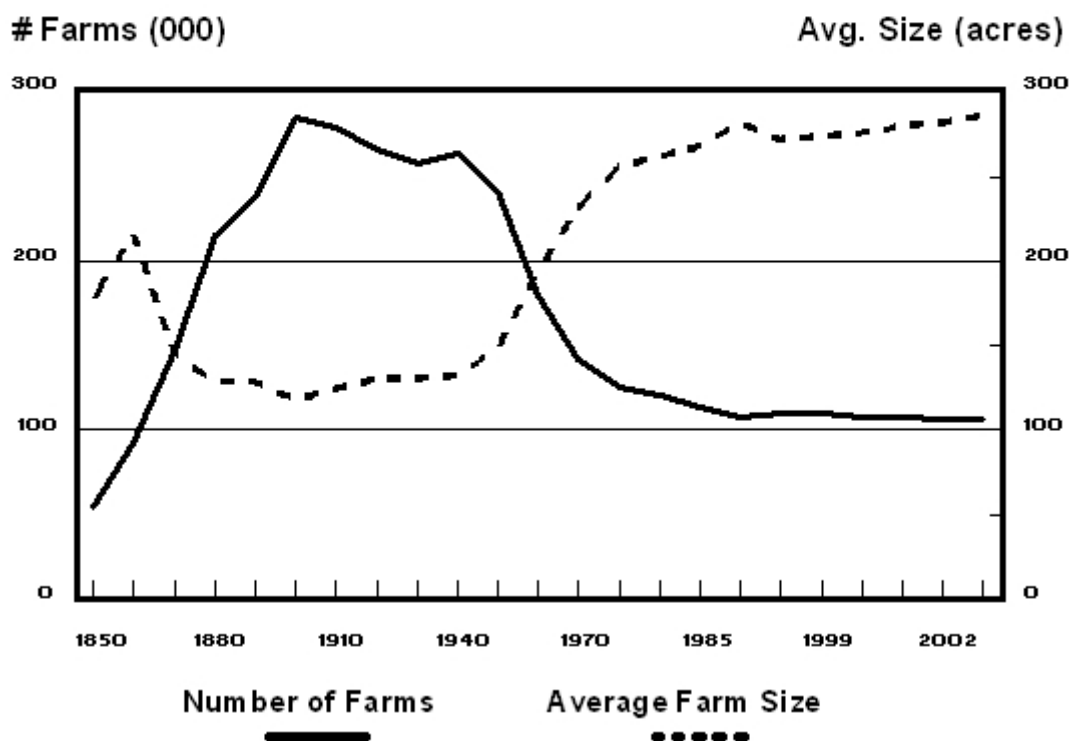
Amount Outstanding, by Lender, Missouri, December 31, 1999-2003

Lender	1999	2000	2001	2002	2003
<i>-million dollars-</i>					
Farm Credit System	1,296,878	1,230,102	1,376,246	1,536,628	1,612,886
Farm Service Agency	220,451	215,501	211,316	201,312	184,764
Commercial Banks	3,017,752	3,264,274	3,346,406	3,436,562	3,527,517
Life Insurance Companies	163,754	148,826	150,873	153,776	156,141
Individuals and others	1,126,315	1,156,740	1,181,867	1,210,790	1,243,882
Total Farm Debt	5,825,151	6,015,442	6,266,709	6,539,068	6,725,191

Source: Economic Research Service, U.S. Department of Agriculture.



Missouri Farms & Average Farm Size 1850-2003



**Number of Farms, Land in Farms and Average Farm Size,
Missouri and United States, June 1, 1996-2003^{1/}**

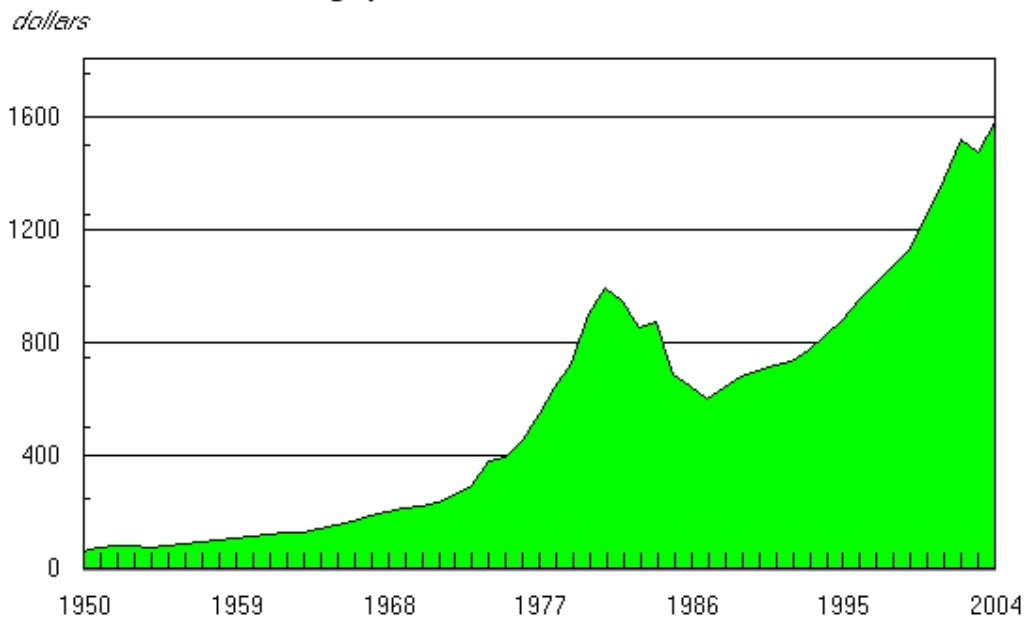
Year	Missouri			United States		
	Number of Farms	Land in Farms	Avg. Farm Size	Number of Farms	Land in Farms	Avg. Farm Size
	-thous.-	-thous. acres-	-acres-	-thous.-	-thous. acres-	-acres-
1996	110	30,100	274	2,191	958,675	438
1997	110	30,100	274	2,191	956,010	436
1998	110	30,100	274	2,192	952,080	434
1999	110	30,100	274	2,187	948,460	434
2000	109	30,000	275	2,166	945,080	436
2001	108	30,200	280	2,149	942,070	438
2002	107	30,200	282	2,135	940,300	440
2003	106	30,200	285	2,127	938,750	441

^{1/} A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.



Value of Farmland and Buildings

Average per Acre, Missouri, 1950-2004 ^{1/}



^{1/} Includes all types of agricultural land and buildings

Value of Farmland and Buildings,

Missouri, January 1, 1995-2004

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<i>-dollars-</i>										
Average Value per Acre of Land & Buildings	880	950	1,010	1,070	1,130	1,230	1,300	1,380	1,470	1,580
<i>-million dollars-</i>										
Total Value of Land & Buildings	26,488	28,595	30,401	32,207	34,013	37,023	39,000	41,676	44,394	47,716

Value of Farmland and Buildings,

Average Per Acre, By District, Missouri, January 1, 1995-2004^{1/}

Year	NW	NC	NE	WC	C	EC	SW	SC	SE	State
<i>-dollars per acre-</i>										
1995	850	680	810	930	790	1,210	1,020	700	1,220	880
1996	910	730	880	1,000	880	1,280	1,100	760	1,300	950
1997	960	750	950	1,050	960	1,360	1,190	800	1,370	1,010
1998	1,010	780	1,000	1,100	1,020	1,450	1,310	860	1,430	1,070
1999	1,080	840	1,050	1,150	1,070	1,510	1,370	920	1,500	1,130
2000	1,180	940	1,120	1,190	1,170	1,660	1,490	1,020	1,630	1,230
2001	1,250	1,000	1,180	1,260	1,250	1,750	1,570	1,080	1,720	1,300
2002	1,330	1,060	1,250	1,340	1,330	1,860	1,660	1,150	1,830	1,380
2003	1,420	1,130	1,330	1,410	1,420	1,980	1,760	1,230	1,950	1,470
2004	1,520	1,210	1,430	1,520	1,530	2,130	1,890	1,320	2,100	1,580

^{1/} See inside front cover for district boundaries.



Non-Irrigated Cropland Cash Rent per Acre

By District, Missouri, 1996-2004^{1/}

Year	NW	NC	NE	WC	C	EC	SW	SC	SE	State
<i>-dollars per acre-</i>										
1996	51.00	48.00	56.00	40.00	42.00	54.00	37.00	44.00	65.00	50.00
1997	58.00	52.00	61.00	46.00	48.00	60.00	41.00	48.00	73.00	56.00
1998	59.00	53.00	62.00	47.00	49.00	60.00	39.00	47.00	76.00	57.00
1999	63.50	56.00	64.00	48.00	49.00	62.00	40.00	48.00	78.00	59.00
2000	72.00	64.00	68.00	50.00	48.00	62.00	40.50	48.00	79.00	62.00
2001	77.00	70.00	71.00	53.00	49.00	66.00	43.00	48.00	80.00	65.00
2002	76.00	71.00	72.00	53.00	53.00	69.00	44.00	50.00	80.00	66.00
2003	80.00	75.00	76.00	57.00	59.00	70.00	47.00	54.00	84.00	70.00
2004	86.00	81.00	83.00	62.00	65.00	76.00	51.00	58.00	91.00	76.00

1/ See inside front cover for district boundaries.

Pasture Cash Rent Per Acre

By District, Missouri, 1996-2004^{1/}

Year	NW	NC	NE	WC	C	EC	SW	SC	SE	State
<i>-dollars per acre-</i>										
1996	23.00	20.50	22.00	20.00	20.00	20.00	19.00	18.20	21.00	20.00
1997	22.00	20.00	21.00	19.00	19.00	19.00	17.50	17.00	20.00	19.00
1998	20.00	19.00	20.00	18.00	18.00	18.00	17.50	16.00	19.00	18.00
1999	21.00	19.50	20.50	18.50	18.50	18.50	18.50	16.00	19.00	18.50
2000	21.50	20.00	21.50	21.00	21.00	20.50	21.50	16.00	20.00	20.00
2001	24.50	22.50	23.00	24.50	25.50	22.50	24.00	16.00	21.00	22.50
2002	25.00	23.00	24.00	24.00	26.00	23.00	24.50	17.00	21.50	23.00
2003	26.00	23.00	24.50	24.00	26.50	23.50	25.00	17.50	22.00	23.50
2004	28.50	26.00	27.00	26.50	29.00	26.00	27.50	19.50	24.00	26.00

1/ See inside front cover for district boundaries.

Missouri Farm Business Balance Sheet

December 31, 1998-2002

Item	1999	2000	2001	2002	2003
<i>-million dollars-</i>					
Farm Assets:	41,342,316	45,005,386	48,613,927	50,575,122	53,787,083
Real estate	31,423,884	34,691,968	38,084,071	40,088,496	43,087,115
Livestock and poultry ^{1/}	2,930,605	3,112,893	3,189,163	3,176,997	3,186,223
Machinery & motor vehicles ^{2/}	3,238,230	3,248,992	3,340,430	3,343,029	3,427,412
Crops ^{3/}	1,024,359	1,088,979	1,004,164	889,439	917,410
Purchased inputs	96,445	117,289	100,918	134,929	134,803
Financial	2,628,794	2,745,264	2,895,180	2,942,232	3,034,120
Farm Debt: ^{4/}	5,825,151	6,015,442	6,266,709	6,539,068	6,725,191
Real estate	3,473,016	3,515,378	3,699,251	3,972,438	4,164,816
Non-real estate	2,352,135	2,500,064	2,567,458	2,566,630	2,560,375
Equity:	35,517,166	38,989,943	42,347,218	44,036,054	47,061,892
Debt/equity ratio:	16.4	15.4	14.8	14.9	14.3
Debt/assets ratio:	14.1	13.4	12.9	12.9	12.5

1/ Excludes horses, mules, and broilers.

2/ Includes only farm share for trucks and autos.

3/ All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.

4/ Excludes debt for non-farm purposes.

SOURCE: Economic Research Service, U.S. Department of Agriculture.



Value Added to the U.S. Economy by the Agricultural Sector
Via the Production of Goods and Services, Missouri, 1999-2003

Item ^{1/}	+ - =	1999	2000	2001	2002	2003
<i>-thousand dollars-</i>						
Value of Crop Production	+	1,666,185	2,062,315	2,100,309	1,871,172	2,325,588
Food Grains		143,725	175,391	143,798	149,380	204,804
Feed Crops		593,463	711,602	822,871	687,082	794,289
Cotton		126,819	100,019	121,874	116,661	191,456
Oil Crops		743,328	731,092	776,217	848,679	980,432
Tobacco		6,145	7,523	5,877	4,829	4,520
Fruits and Nut Trees		16,321	13,638	15,392	14,687	19,802
Vegetables		25,737	25,771	29,630	29,679	33,030
All Other Crops		120,627	114,406	134,188	127,722	118,981
Home Consumption		9,642	9,903	10,164	9,323	2,709
Value of Inventory Adjustment ^{2/}		(119,622)	172,970	40,298	(116,870)	(24,434)
Value of Livestock Production	+	2,469,531	2,603,799	2,770,244	2,388,172	2,523,143
Meat Animals		1,327,918	1,637,937	1,531,543	1,242,137	1,537,980
Dairy Products		324,282	269,709	286,229	236,037	234,360
Poultry and Eggs		813,475	735,812	836,078	774,106	822,840
Miscellaneous Livestock		35,644	37,997	41,097	31,502	33,149
Home Consumption		6,734	4,969	3,204	2,939	4,944
Value of Inventory Adjustment ^{2/}		(38,522)	(82,625)	72,093	101,451	(110,130)
Revenue from Services and Forestry	+	731,780	773,789	754,986	914,030	859,168
Machine Hire and Customwork		66,988	87,953	62,650	78,483	59,053
Forest Products Sold		8,725	8,800	8,850	8,900	9,000
Other Farm Income		189,050	167,391	187,625	244,652	224,654
Gross Imputed Rental Value of Farm Dwellings		467,017	509,645	495,861	581,995	566,461
Value of Agricultural Sector Output	=	4,867,496	5,439,903	5,625,539	5,173,373	5,707,899
Purchased inputs	-	3,181,265	3,252,521	3,348,246	3,205,015	2,831,251
Farm Origin		1,186,719	1,204,395	1,281,834	1,203,454	1,149,823
Feed Purchased		748,058	753,102	790,974	723,953	722,270
Livestock and Poultry Purchased		229,470	233,385	248,030	244,975	250,543
Seed Purchased		209,191	217,908	242,830	234,526	177,010
Manufactured Inputs		880,351	935,155	922,917	854,974	675,586
Fertilizer and Lime		382,954	394,383	402,549	372,496	295,617
Pesticides		273,591	268,917	257,177	230,843	162,339
Petroleum Fuel and Oils		163,724	214,001	194,979	187,538	162,628
Electricity		60,082	57,854	68,212	64,097	55,002
Other Purchased Inputs		1,114,195	1,112,971	1,143,495	1,146,587	1,005,842
Repair and Maintenance of Capital Items		413,500	426,975	437,913	488,828	320,121
Machine Hire and Customwork		100,377	110,320	100,844	53,170	61,239
Marketing, Storage, and Transportation Expenses		92,272	90,969	91,167	57,416	97,936
Contract Labor		14,460	18,652	12,366	25,196	12,149
Miscellaneous Expenses		493,586	466,055	501,205	521,977	514,397
Net Government Transactions	+	562,490	705,821	655,090	229,850	299,874
Plus Direct Government Payments		717,096	869,390	817,044	397,292	512,358
Less Motor Vehicle Registration and Licensing Fee		19,254	24,163	24,560	24,291	10,774
Less Property Taxes		135,352	139,406	137,394	143,151	201,710
Gross Value Added	=	2,248,721	2,893,203	2,932,383	2,198,208	3,176,522
Capital Consumption	-	776,853	803,447	830,358	845,281	840,357
Net Value Added	=	1,471,868	2,089,756	2,102,025	1,352,927	2,336,165
Payments to stakeholders	-	1,018,944	1,122,344	1,052,050	886,867	868,465
Employee Compensation (total hired labor)		233,185	217,157	233,931	220,477	189,989
Net Rent Received by Nonoperator Landlords		280,352	362,787	327,318	221,210	224,825
Real Estate and Non-Real Estate Interest		505,407	542,400	490,801	445,180	453,651
Net Farm Income	=	452,924	967,412	1,049,975	466,060	1,467,700

^{1/} Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operator's share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

^{2/} A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales.

SOURCE: Economic Research Service, U.S. Department of Agriculture.



Missouri Farms Classified by Value of Marketings, 1998-2003

Year	Marketings from \$1,000 - \$9,999			Marketings from \$10,000 - \$99,999			Marketings from \$100,000 +		
	Number of Farms	Land in Farms	Average Farm Size	Number of Farms	Land in Farms	Average Farm Size	Number of Farms	Land in Farms	Average Farm Size
		<i>-thous. acres-</i>	<i>-acres-</i>		<i>-thous. acres-</i>	<i>-acres-</i>		<i>-thous. acres-</i>	<i>-acres-</i>
1998	62,700	7,300	116	36,700	11,600	316	10,600	11,200	1,057
1999	63,100	7,300	116	36,700	11,600	316	10,200	11,200	1,098
2000	62,000	7,200	116	36,600	11,500	314	10,400	11,300	1,087
2001	60,100	7,200	120	37,500	11,200	299	10,400	11,800	1,135
2002	59,800	7,200	120	36,800	10,900	296	10,400	12,100	1,163
2003	59,600	7,200	121	36,100	10,700	296	10,300	12,300	1,194

Farm Labor and Wage Rates, Missouri and Iowa Combined, 1999-2004 ^{1/}

Year & Month	Number Of Hired Workers	Hours Worked per Hired Worker	Hired Workers			
			Field	Livestock	Combined ^{2/}	All Hired Workers Hourly Rate ^{3/}
	<i>-thousand-</i>	<i>-hours per week-</i>			<i>-dollars per hour-</i>	
1999						
January	16	29.9	7.36	7.35	7.35	7.86
April	24	37.0	7.02	8.54	8.07	8.27
July	30	34.4	7.22	8.07	7.58	7.90
October	26	43.1	7.85	7.86	7.85	8.17
2000						
January	19	41.1	7.31	7.87	7.80	8.13
April	23	37.7	7.56	8.18	7.88	8.08
July	30	34.7	7.62	8.63	8.00	8.39
October	31	37.3	7.41	8.19	7.72	7.90
2001						
January	14	37.3	7.86	8.61	8.49	9.05
April	21	37.5	8.19	8.55	8.41	8.80
July	29	35.7	7.80	8.08	7.94	8.10
October	41	34.4	8.06	9.26	8.52	8.78
2002						
January	24	33.5	8.62	9.41	9.26	9.74
April	27	32.5	7.84	9.82	8.89	9.34
July	30	32.1	8.42	10.72	8.94	9.20
October	25	34.7	8.69	8.30	8.59	8.81
2003						
January	20	27.2	9.24	9.01	9.08	9.50
April	24	36.6	9.94	10.00	9.97	10.71
July	23	36.7	9.60	8.87	9.31	9.51
October	26	42.6	8.62	9.83	8.87	9.30
2004						
January	19	33.0	9.12	9.79	9.50	10.15
April	28	33.7	9.04	9.03	9.04	9.48
July	24	38.3	8.08	8.61	8.35	8.70

^{1/} Missouri and Iowa combined, no individual state estimates are available.

^{2/} Field and livestock workers combined.

^{3/} Includes supervisory and other types of workers along with the field and livestock workers.



Value of Production
Major Crops, by District ^{1/}, Missouri, 1999-2003

Crop Year	NW	NC	NE	WC	C	EC	SW	SC	SE	State
<i>-million dollars-</i>										
Winter Wheat										
1999	2.1	6.1	12.0	7.8	9.0	9.1	5.9	0.7	40.0	92.7
2000	2.8	8.6	14.8	13.5	11.7	7.8	10.2	0.6	42.6	112.6
2001	1.9	5.2	8.2	15.5	9.1	5.5	10.2	0.7	43.1	99.3
2002	3.7	8.2	10.7	15.4	11.0	6.6	10.5	0.7	36.8	103.6
2003	8.5	14.4	20.9	26.1	18.0	11.3	20.1	0.9	41.7	161.9
Soybeans										
1999	157.9	102.9	89.2	84.4	66.2	46.4	18.7	3.6	117.8	687.1
2000	171.3	123.6	153.7	55.2	82.2	60.4	9.2	4.6	135.9	796.3
2001	160.8	103.0	139.8	84.0	89.2	61.2	21.8	5.1	139.5	804.4
2002	168.1	142.7	169.0	78.2	101.6	67.6	18.8	6.9	188.9	941.8
2003	186.9	130.4	194.2	87.8	110.0	85.3	31.0	8.3	264.2	1,098.1
Sorghum										
1999	0.7	2.2	6.1	6.5	2.2	1.1	6.9	0.6	10.5	36.8
2000	0.9	3.0	10.1	6.1	3.5	1.6	6.3	0.6	11.5	43.7
2001	0.4	1.5	7.2	5.6	3.2	1.5	8.0	0.5	12.2	40.1
2002	0.6	2.5	7.8	2.8	3.1	1.6	5.1	0.6	13.1	37.2
2003	1.0	2.1	9.3	3.4	2.8	2.2	4.2	0.4	14.0	39.4
Corn										
1999	130.4	44.8	59.0	44.2	52.1	44.1	5.8	3.1	101.3	484.8
2000	164.3	73.3	127.7	59.7	81.3	62.5	10.9	4.3	121.1	705.1
2001	156.2	61.2	105.6	64.2	84.2	58.3	13.9	4.6	129.6	677.8
2002	149.1	81.1	110.6	67.5	86.0	46.9	15.3	3.8	134.3	694.6
2003	156.6	70.1	130.3	56.4	76.7	64.2	19.0	5.3	177.4	756.0
Hay										
1999	55.1	62.4	35.6	61.6	114.7	44.1	88.9	74.8	10.1	547.3
2000	54.0	58.9	37.2	59.1	110.6	43.9	82.3	64.7	12.5	523.2
2001	58.1	64.2	40.0	65.6	119.8	46.7	85.8	69.6	13.0	562.8
2002	49.9	57.7	33.6	62.5	110.5	44.3	76.8	72.5	10.0	517.8
2003	42.4	50.9	34.6	57.6	101.9	44.3	71.0	65.9	9.3	478.0

^{1/} See inside front cover for district boundaries.

**Cash Receipts****Farm Receipts from Sales of Specified Crops and Livestock, Missouri 1999-2003 ^{1/}**

Commodity	1999	2000	2001	2002	2003
<i>-thousand dollars-</i>					
All commodities	4,277,483	4,560,897	4,744,794	4,262,501	4,972,761
Livestock and products	2,501,319	2,681,455	2,694,947	2,283,782	2,628,329
Meat animals	1,327,918	1,637,937	1,531,543	1,242,137	1,537,980
Cattle and calves	870,379	1,044,789	926,286	821,395	1,077,316
Hogs	453,329	589,111	602,005	417,272	456,066
Sheep and lambs	4,210	4,037	3,252	3,470	4,598
Dairy products	324,282	269,709	286,229	236,037	234,360
Poultry/eggs	813,475	735,812	836,078	774,106	822,840
Farm Chickens	913	1,304	506	1,020	1,022
Chicken Eggs	72,670	69,940	75,585	76,085	99,921
Turkeys	277,200	272,228	270,600	281,826	285,670
Miscellaneous Livestock	35,644	37,997	41,097	31,502	33,149
Honey	1,061	1,035	1,083	1,278	1,270
Wool	67	43	35	79	155
Aquaculture	4,683	5,085	4,733	3,568	4,594
Catfish	2,854	3,117	2,840	1,070	1,954
Trout	1,829	1,968	1,893	1,858	1,990
Crops	1,776,164	1,879,442	2,049,847	1,978,719	2,344,432
Food grains	143,725	175,391	143,798	149,380	204,804
Rice	58,318	48,788	46,727	41,086	55,181
Wheat	85,407	126,604	97,071	108,294	149,623
Feed crops	593,463	711,602	822,871	687,082	794,289
Corn	436,738	556,669	623,835	512,978	615,557
Hay	121,126	117,778	156,197	139,293	142,332
Oats	368	846	838	1,252	1,093
Sorghum grain	35,231	36,308	42,001	33,559	35,307
Cotton	126,819	100,019	121,874	116,661	191,456
Cotton lint, all	113,036	79,894	100,176	96,148	164,611
Cottonseed	13,783	20,125	21,698	20,513	26,845
Tobacco	6,145	7,523	5,877	4,829	4,520
Oil crops	743,328	731,092	776,217	848,679	980,432
Soybeans	743,145	730,966	775,874	848,144	979,909
Vegetables	25,737	25,771	29,630	29,679	33,030
Potatoes	9,774	9,213	9,608	8,333	12,119
Watermelons	4,452	4,446	4,888	7,691	7,629
Fruits/nuts	16,321	13,638	15,392	14,687	16,921
Apples	4,770	6,993	6,476	6,259	7,387
Fresh	4,112	6,292	5,825	5,148	6,178
Processing	658	701	651	1,111	1,208
Grapes	1,635	1,636	1,448	2,023	1,849
Peaches	4,379	3,325	3,285	3,360	4,300
All other crops	120,627	114,406	134,188	127,722	118,981
Greenhouse/nursery	79,874	84,786	97,294	102,507	98,546
Floriculture	42,034	46,426	47,404	50,597	44,606

1/ Revised data for 1999-2002; preliminary data for 2003.

Source: Economic Research Service, U.S. Department of Agriculture.

Cash Receipts

By Counties, Missouri, 2000-2003

County	2000 ***	2001 ***	2002 ***	2003 **	County	2000 ***	2001 ***	2002 ***	2003 **
<i>-thou. dollars-</i>					<i>-thou. dollars-</i>				
Andrew	30,406	32,903	33,110	38,736	Morgan	84,050	86,308	78,504	82,677
Atchison	51,047	57,195	45,077	61,816	Osage	59,205	58,785	45,602	50,976
Buchanan	27,578	28,589	28,264	30,182	Pettis	80,698	92,062	75,810	82,562
Caldwell	20,470	18,545	22,072	22,599	Phelps	13,933	13,162	17,759	20,001
Clay	13,110	12,473	13,093	14,291	Polk	55,739	54,552	52,038	57,848
Clinton	26,528	25,311	25,210	27,197	Pulaski	10,899	10,076	6,891	8,780
Daviess	48,008	44,683	28,735	28,441	Saline	79,227	86,455	71,499	81,468
DeKalb	24,405	21,796	24,220	25,713	Central *	852,856	875,700	784,132	859,141
Gentry	52,656	54,575	23,014	24,738	Crawford	8,120	7,625	9,328	10,080
Harrison	50,954	44,922	44,820	47,356	Franklin	40,602	41,078	31,965	38,363
Holt	42,401	48,895	45,017	54,803	Gasconade	18,193	17,505	16,496	17,983
Nodaway	69,826	70,635	61,202	78,404	Jefferson	20,612	24,770	27,715	29,028
Platte	28,266	28,248	25,533	27,036	Lincoln	51,928	51,219	50,801	63,000
Ray	32,739	34,123	33,936	37,989	Montgomery	34,330	35,984	31,086	41,400
Worth	12,918	11,369	13,138	14,705	Perry	28,424	30,309	24,693	31,926
Northwest *	531,311	534,261	466,441	534,007	St Charles	32,282	32,259	27,680	37,422
Adair	34,864	32,095	38,086	41,823	Ste Genevieve	16,860	17,325	14,727	18,813
Carroll	51,195	51,807	55,307	57,779	St Francois	11,500	11,384	12,002	14,175
Chariton	55,176	51,939	54,657	58,565	St Louis	9,225	9,936	9,606	10,111
Grundy	23,831	23,437	33,869	32,259	Warren	19,183	19,876	15,436	18,922
Linn	35,181	30,609	32,161	31,579	Washington	6,456	6,189	10,665	12,212
Livingston	32,386	27,042	34,538	28,009	East Central *	297,715	305,457	282,200	343,434
Macon	35,776	33,400	42,956	46,145	Barry	165,498	194,092	171,160	183,808
Mercer	89,611	91,640	16,604	18,792	Barton	46,342	55,991	39,736	53,171
Putnam	41,026	46,211	25,050	28,945	Christian	22,613	22,110	25,898	29,511
Randolph	24,312	24,387	24,007	27,000	Dade	32,373	34,527	34,458	41,768
Schuyler	13,216	11,702	34,205	39,092	Greene	31,253	30,360	30,832	35,536
Sullivan	104,521	96,189	23,868	27,603	Jasper	53,706	59,593	57,583	67,019
North Central *	541,096	520,458	415,308	437,591	Lawrence	85,242	90,840	81,175	90,081
Audrain	68,519	71,303	67,413	76,234	McDonald	123,855	144,652	120,813	129,771
Clark	31,519	24,927	31,285	41,388	Newton	124,668	137,376	130,161	146,190
Knox	39,181	45,499	46,056	56,846	Stone	13,782	13,797	12,597	14,534
Lewis	40,443	30,047	33,083	43,626	Southwest *	699,333	783,338	704,415	791,391
Marion	37,217	34,429	31,786	41,942	Bollinger	18,340	19,441	18,719	21,520
Monroe	48,927	48,319	42,374	43,597	Carter	3,097	2,809	2,434	3,436
Pike	44,957	43,418	40,928	48,656	Dent	10,969	10,334	10,477	13,215
Ralls	35,512	34,339	30,677	37,582	Douglas	29,810	29,939	24,358	27,885
Scotland	30,759	25,213	32,629	38,450	Howell	38,466	36,614	32,404	37,885
Shelby	51,848	49,982	43,397	51,260	Iron	2,886	3,133	3,267	3,898
Northeast *	428,882	407,476	399,628	479,581	Madison	7,019	6,877	5,721	7,267
Bates	46,947	56,844	51,249	62,871	Oregon	18,711	18,056	15,796	18,417
Cass	39,792	47,298	41,859	45,261	Ozark	23,616	21,906	20,943	23,305
Cedar	18,028	17,807	23,063	26,242	Reynolds	3,833	3,622	3,941	4,706
Henry	38,073	42,115	29,287	35,409	Ripley	9,605	9,391	8,607	11,868
Jackson	16,551	19,350	20,128	19,943	Shannon	6,766	6,460	7,149	8,228
Johnson	49,945	52,528	53,179	60,998	Taney	7,700	7,068	6,696	8,098
Lafayette	67,197	74,084	60,232	62,019	Texas	39,671	37,042	33,537	40,015
St Clair	25,170	27,186	24,372	28,546	Wayne	5,329	5,305	5,494	6,751
Vernon	59,694	69,460	39,327	50,638	Webster	44,237	45,941	42,104	47,997
West Central *	361,398	406,672	342,697	391,927	Wright	52,087	55,154	48,014	53,927
Benton	26,939	28,733	28,472	29,613	South Central *	322,142	319,092	289,662	338,418
Boone	29,777	30,803	31,845	32,920	Butler	46,995	46,520	43,972	62,735
Callaway	43,266	42,974	36,455	38,329	Cape Girardeau	37,439	40,647	34,405	45,497
Camden	29,221	30,037	26,090	28,818	Dunklin	72,362	89,571	90,738	128,997
Cole	24,480	24,460	19,883	22,652	Mississippi	60,886	67,591	64,647	87,960
Cooper	44,353	45,412	40,984	44,662	New Madrid	81,490	92,520	94,009	135,223
Dallas	39,576	39,595	41,760	44,029	Pemiscot	51,656	60,152	61,338	91,364
Hickory	13,997	13,798	12,329	15,313	Scott	58,853	69,576	65,504	82,379
Howard	28,406	28,977	38,255	41,231	Stoddard	116,484	125,764	123,404	163,116
Laclede	33,790	34,292	35,809	41,400	Southeast *	526,165	592,339	578,018	797,271
Maries	19,032	18,396	13,328	16,428	State *	4,560,897	4,744,794	4,262,501	4,972,761
Miller	78,197	77,814	57,139	61,106					
Moniteau	58,071	59,008	53,681	58,328					

* Totals may not add due to rounding. **Preliminary ***Revised

Farm Computer Usage, Missouri, 2003

**Farm Computer Usage:
Access, Ownership, and Use by Economic Class, Type of Farm ^{1/},
Missouri and Region, 2003**

State/Region	Number of Farms	With Computer Access	That Owned or Lease Computers	Using Computers for Farm Business	With Internet Access
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-percent-

Missouri	106000	56	51	30	48
North Central ^{2/}	790800	61	57	34	50
\$1,000-9,999	353100	57	52	21	47
\$10,000-99,999	266500	56	52	33	45
\$100,000 & Over	171200	75	72	57	62
Crop Farms	-	61	57	34	50
Livestock Farms	-	61	57	33	49

State/Region	Purchase Agricultural Inputs Over Internet ^{3/}	Conduct Agricultural Marketing Activities Over Internet ^{4/}	Access USDA/NASS Reports Over Internet ^{5/}
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-percent-

Missouri	5	7	6
North Central ^{2/}	7	8	7
\$1,000-9,999	5	4	2
\$10,000-99,999	7	7	6
\$100,000 & Over	12	16	13
Crop Farms	7	8	7
Livestock Farms	7	8	5

^{1/} Crop and livestock farms are based on 1997 Census of Agriculture percentages by farm type.

^{2/} Includes IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, and WI.

^{3/} Agricultural inputs include seed, fertilizer, chemicals, veterinarian supplies, feed machinery, replacement parts, farm supplies, office equipment, etc.

^{4/} Agricultural marketing activities include direct sales of commodities, on-line crop and livestock auctions, on-line market advisory services, commodity price tracking, etc.

^{5/} Reference period for access and usage of USDA reports, research information, and services is last 12 months: June 2002 to June 2003.



Farm Production Expenditures
Major Input Items, Farms Reporting, Average per Farm, and Total Expenditures,
Corn Belt Region, 2002-2003 ^{12/}

Expenditure - Farm Share	Farms Reporting ^{10/}		Average per Farm ^{11/}		Total Expenditures	
	2002	2003	2002	2003	2002	2003
	<i>percent</i>		<i>dollars</i>		<i>million dollars</i>	
Total Farm Production Expenditures ^{1/ 2/}	100.0	100.0	84,586	88,180	35,230	35,810
Livestock, Poultry & Related Expenses ^{3/}	31.4	28.5	7,491	7,338	3,120	2,980
Feed	60.6	57.4	8,523	10,096	3,550	4,100
Farm Services ^{4/}	96.4	94.8	8,283	8,889	3,450	3,610
Rent ^{5/}	40.1	35.7	13,685	13,371	5,700	5,430
Agricultural Chemicals ^{6/}	58.5	51.4	4,850	4,999	2,020	2,030
Fertilizer, Lime & Soil Conditioners ^{6/}	65.4	64.7	6,170	6,649	2,570	2,700
Interest	54.3	51.0	5,114	4,457	2,130	1,810
Taxes (Real Estate & Property)	99.5	99.7	3,986	3,989	1,660	1,620
Labor	33.5	28.0	3,457	3,694	1,440	1,500
Fuels	87.0	82.8	2,521	2,684	1,050	1,090
Farm Supplies & Repairs ^{7/}	85.0	84.0	4,826	4,211	2,010	1,710
Farm Improvements & Construction ^{8/ 13/}	51.0	61.7	3,217	4,826	1,340	1,960
Tractors and Self-Propelled Farm Machinery	15.8	29.1	3,169	2,856	1,320	1,160
Other Farm Machinery	24.5	35.9	2,377	2,068	990	840
Seeds & Plants ^{9/}	56.9	57.6	5,210	5,910	2,170	2,400
Trucks & Autos	13.6	28.7	1,633	1,921	680	780

1/ Total includes production costs not allocated to any of the 16 expense categories published.

2/ Includes landlord and contractor share of farm production expenses.

3/ Includes purchases and leasing of livestock and poultry.

4/ Includes all crop custom work, veterinary services, custom feeding, transportation costs, marketing charges, insurance, leasing of machinery and equipment, miscellaneous business expenses, and utilities.

5/ Includes public and private grazing fees.

6/ Includes material and application costs.

7/ Includes bedding and litter, marketing containers, power farm shop equipment, miscellaneous non-capital equipment and supplies, repairs and maintenance of livestock and poultry equipment and capital equipment for livestock and poultry.

8/ Includes all expenditures related to new construction or repairs of buildings and fences and any improvements to physical structures of land.

9/ Excludes bedding plants, nursery stock, and seed purchased for resale. Includes seed treatment.

10/ Number of farms reporting item divided by total number of farms.

11/ Total expenditures divided by total number of farms.

12/ Corn Belt Region consist of the following States: IL, IN, IA, MO, OH.

13/ Changed to include operator dwelling expenses (if dwelling is owned by operation) in 2003.